748.

# Welsbach Company

# CATALOG 14

August 1911

THIS SHIELD OF QUALITY
STANDS FOR GENUINE
Welsbach
OUR TRADE MARK ON EVERY BOX

748.

1911-1912 **CATALOG FOURTEEN** Supersedes all Other Price Lists

## Local Departments

**Baltimore**
14 N. Charles Street
**Buffalo**
615 Main Street
**Cincinnati**
429 Main Street
**Cleveland**
1115 Euclid Avenue
**Indianapolis**
45 S. Pennsylvania Street
**New York**
78-80 Murray Street
**Pittsburg**
621 Liberty Avenue
**Providence**
365 Westminster Street
**Rochester**
34 N. Fitzhugh Street
**St. Louis**
1011 Olive Street
**St. Paul**
Fifth and Minnesota Streets
**Washington**
439 Seventh Street N. W.

# *Welsbach Company*

## Branch Wholesale Depots

**New England Department**
22 and 24 Summer Street
Boston, Mass.

**New York Department**
78 Bowery, New York

**South Atlantic Coast Department**
1008 and 1010 Filbert Street
Philadelphia, Pa.

**Middle West Department**
116, 118, 120 and 122
East Chestnut Street
Columbus, Ohio

**Western Department**
139-141 N. Wabash Avenue
Chicago, Ill.

**Pacific Coast Department**
351 and 353 McAllister Street
San Francisco, Cal.

**HOME OFFICE, GLOUCESTER, N. J.** **FACTORIES, GLOUCESTER, N. J.; COLUMBUS, OHIO**

# To the Trade

This catalog supersedes all previous issues. The prices cancel all quotations made on goods illustrated herein whether previously made by circular, catalog or letter.

All lamps, burners, mantles, etc., are made in our own factories under the supervision of a corps of trained experts, backed by the accumulated experience of twenty-five years of constant practical study of incandescent gas lighting. Our success is based on the inventive genius and scientific research of Dr. Auer von Welsbach.

Our plant is the largest, best organized and most completely equipped for its particular line of manufacture in the world. Every article offered can be depended upon as the best possible quality that can be produced at the price.

Your communications will receive careful consideration—your orders prompt attention.

## Terms

To purchasers having satisfactory mercantile rating, net cash 30 days.

To purchasers not so rated, goods will be shipped C. O. D.

All prices not otherwise stated are F. O. B. cars at point of shipment.

Packages will be charged at manufacturer's schedule.

No allowance for breakage.

*Welsbach Company*

**Write for Discounts**

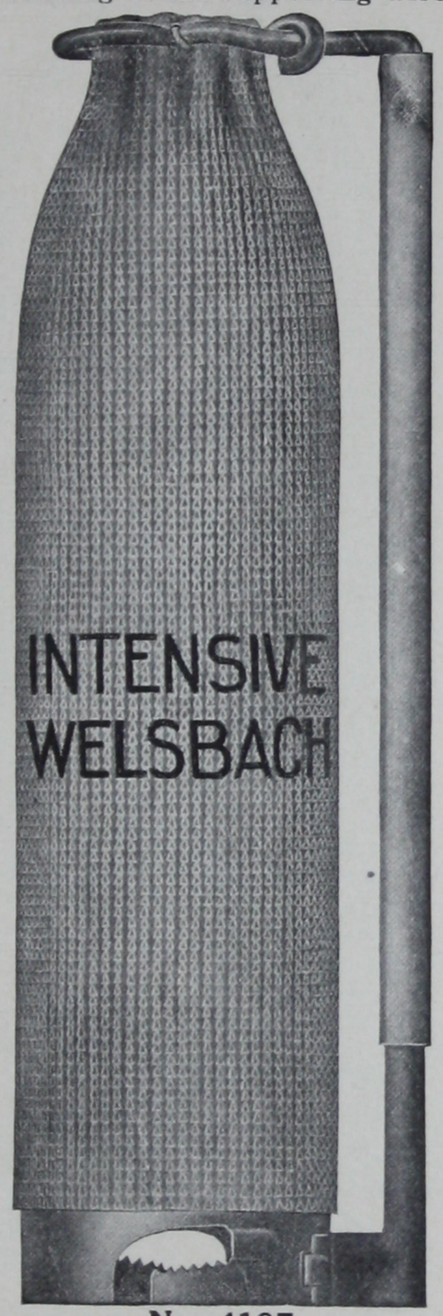
# WELSBACH MANTLES

**Style of mounting distinctively Welsbach. Ring-top Cap. Asbestos tied, nickel-wire support, sheathed with a refractory magnesia tube.**

The maximum durability of this type of Welsbach Mantles is due to several features peculiar to Welsbach Mantles alone — mantle is rigidly suspended over the cap, thus preventing fraying or breaking at the skirt from vibration, the strain being taken up at the head of the mantle, which is hardened with a specially prepared chemical solution. A refractory tube is used to prevent bending of the supporting wire.

**No. 189**
YUSEA BRAND
Strongest and brightest mantle made.

Price, per 100, . . . **$35.00**
" " dozen, . . **4.50**

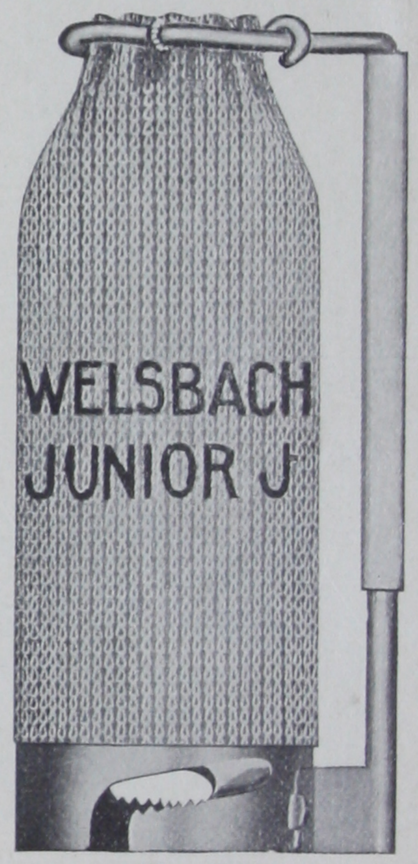



**No. 4197**
INTENSIVE BRAND, 4 INCHES
Same quality as J Brand Mantle.

Price, per 100, . . . **$32.00**
" " dozen, . . **4.25**

**No. 197**
J BRAND (ORIGINAL MANTLE)
Exceptional strength and brilliancy.

Price, per 100, . . . **$30.00**
" " dozen, . . **3.85**

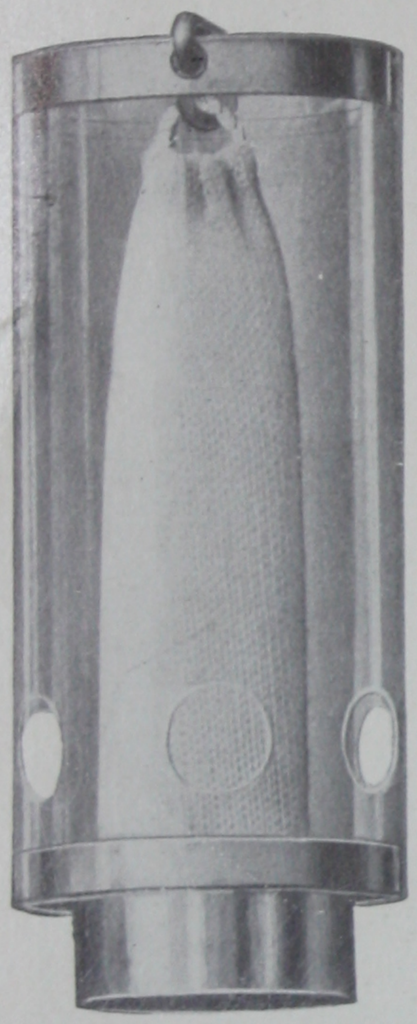



**No. 196**
JUNIOR J BRAND
Mounted 1 inch shorter than No. 197. In all other respects same grade and quality as J Brand Mantle.

Price, per 100, . . . **$25.00**
" " dozen, . . **3.25**

NOTE.—When above mantles are ordered for use on natural gas they will be equipped with plain gauze.

# WELSBACH MANTLES



**No. 51**

UNIVERSAL
MANTLE-CHIMNEY

Mounted on a universal cap for use on all upright burners of standard diameters — also Nos. 72 and 63 Welsbach Burners.

Price, per 100, . . . **$20.00**
" " dozen, . . **2.55**

**No. 199**

First quality, extra white light, heavy weave, mounted on cap with double-wire support.

Price, per 100, . . . **$25.00**
" " dozen, . . **3.25**

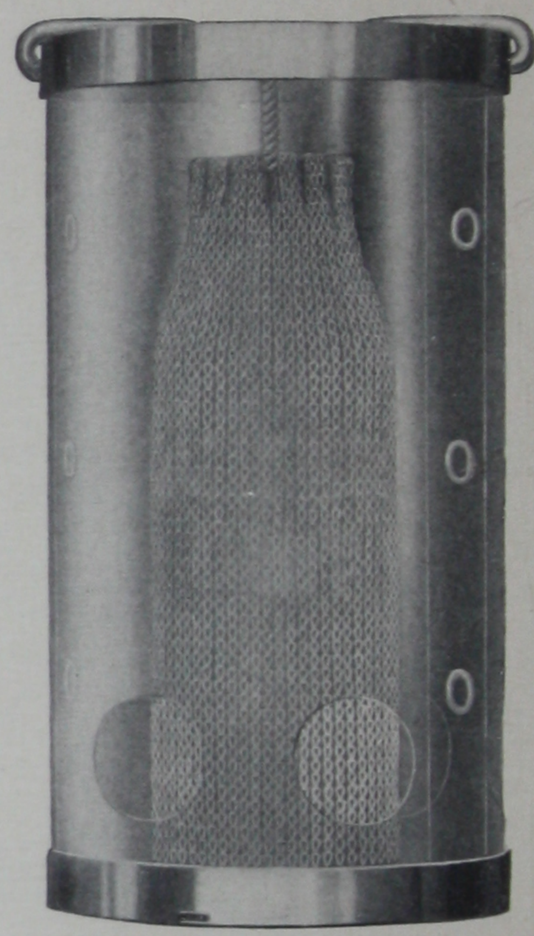
**No. 991**

MEL-O-LITE BRAND

Same quality as J Brand Mantle, mounted on cap with double-wire support; soft, diffusive light.

Price, per 100, . . . **$25.00**
" " dozen, . . **3.25**

Diameter, 1½ inches.



**No. 53**

WELSBACH JUNIOR
MANTLE-CHIMNEY

Mantle, single weave, 2½ inches long. Chimney, air-hole type, made from first quality India mica.

Price, per 100, . . **$20.00**
" " dozen, . . **2.55**

NOTE.—When double-wire support mantles are ordered for use on natural gas they will be equipped with plain gauze and cement-coated supports without extra charge.

# WELSBACH MANTLES

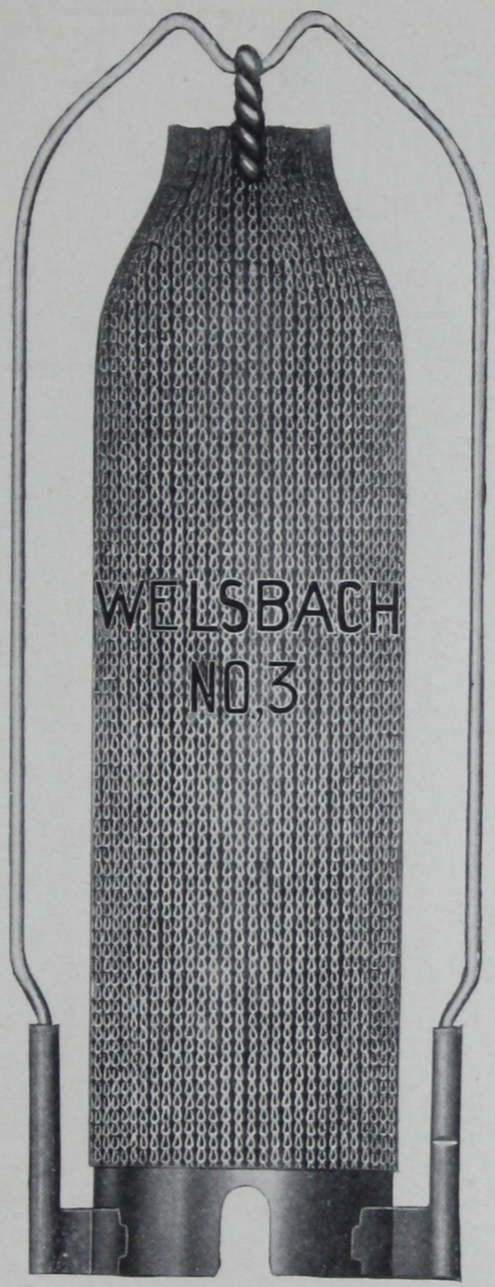
**No 2 C**

WELSBACH

Single Weave.

A good, serviceable mantle, mounted on cap with double-wire support.

Price, per 100, . . . **$20.00**
" " dozen, . . **2.55**




**No. 3 S**

WELSBACH

Single Weave.

An excellent mantle for the price. Mounted on cap with double-wire support.

Price, per 100, . . . **$15.00**
" " dozen, . . **2.00**

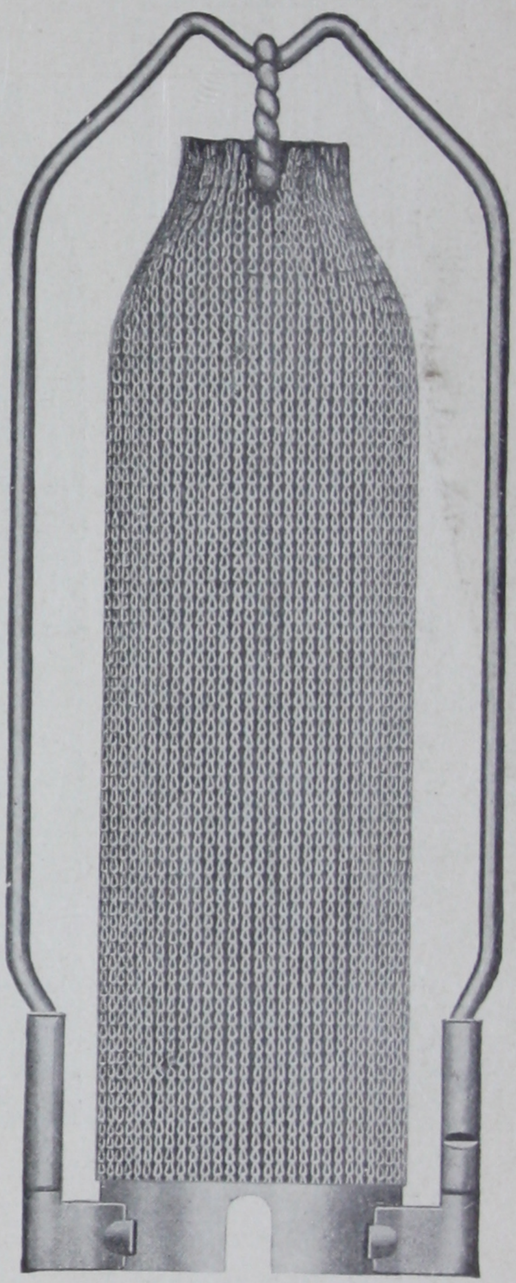
**No. 3 T**

WELSBACH

Triple Weave.

An excellent mantle for the price. Mounted on cap with double-wire support.

Price, per 100, . . . **$15.00**
" " dozen, . . **2.00**



**No. 4**

WELSBACH

Single Weave.

A low-priced mantle. Mounted on cap with double-wire support.

Price, per 100, . . . **$10.00**
" " dozen, . . **1.50**

**NOTE.—When above mantles are ordered for use on natural gas they will be equipped with plain gauze and cement-coated supports without extra charge.**

# WELSBACH MANTLES

**No. 2 L**

WELSBACH

Asbestos loop with hook support.

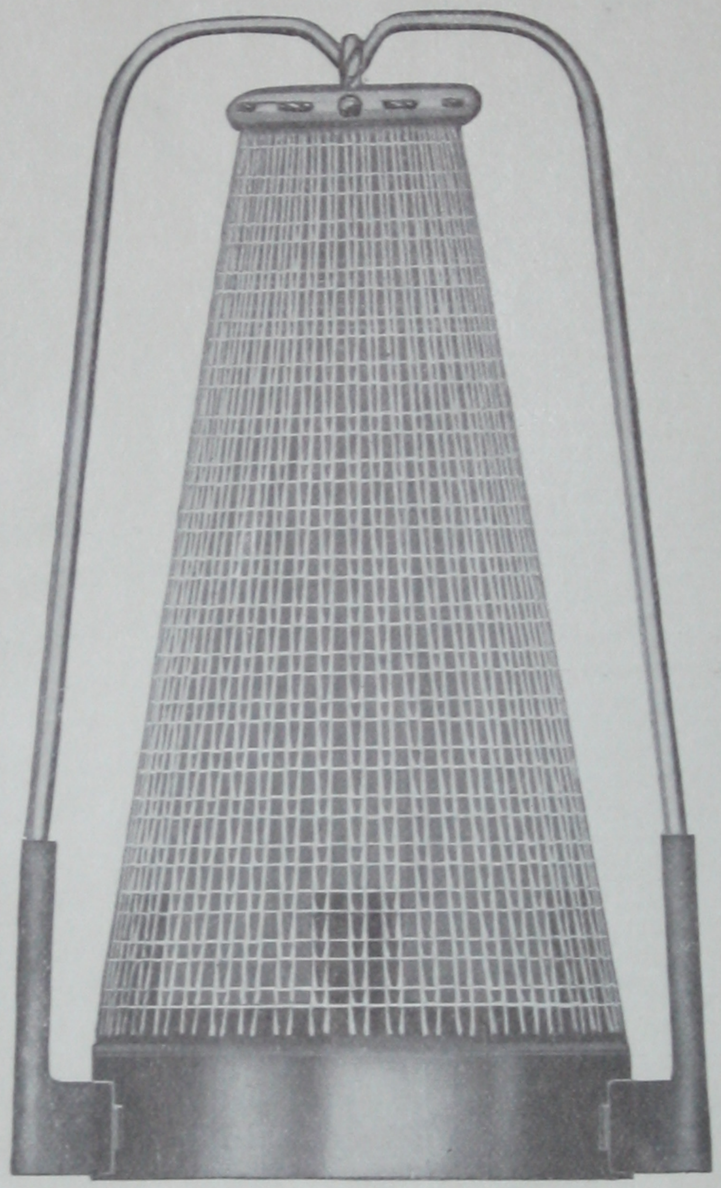
Price, per 100, . . **$15.00**
" " dozen, . **2.00**

**No. 26 L**

WELSBACH

Heavy weave, asbestos loop, with hook support, for Gravity Gasoline Lamps.

Price, per 100, . . **$18.00**
" " dozen, . **2.70**



**No. 191**

WELSBACH

Special weave, made expressly for use with incandescent kerosene burners. Bottom diameter of carrier, 1⅝ inches.

Price, per 100, **cap, $18.00**
Price, per dozen, **cap,** . . . . . **2.70**
Price, per 100, **loop,** . . . . . **16.50**
Price, per dozen, **loop,** . . . . . **2.40**

Small Welsbach Mantles

**No. 63**

WELSBACH

Small Welsbach Mantle, first quality, mounted on cap with nickel double-wire support. For use on No. 63 or No. 72 Welsbach Burners.

Price, per 100, . . **$13.50**
" " dozen, . **1.80**

**No. 15**

WELSBACH

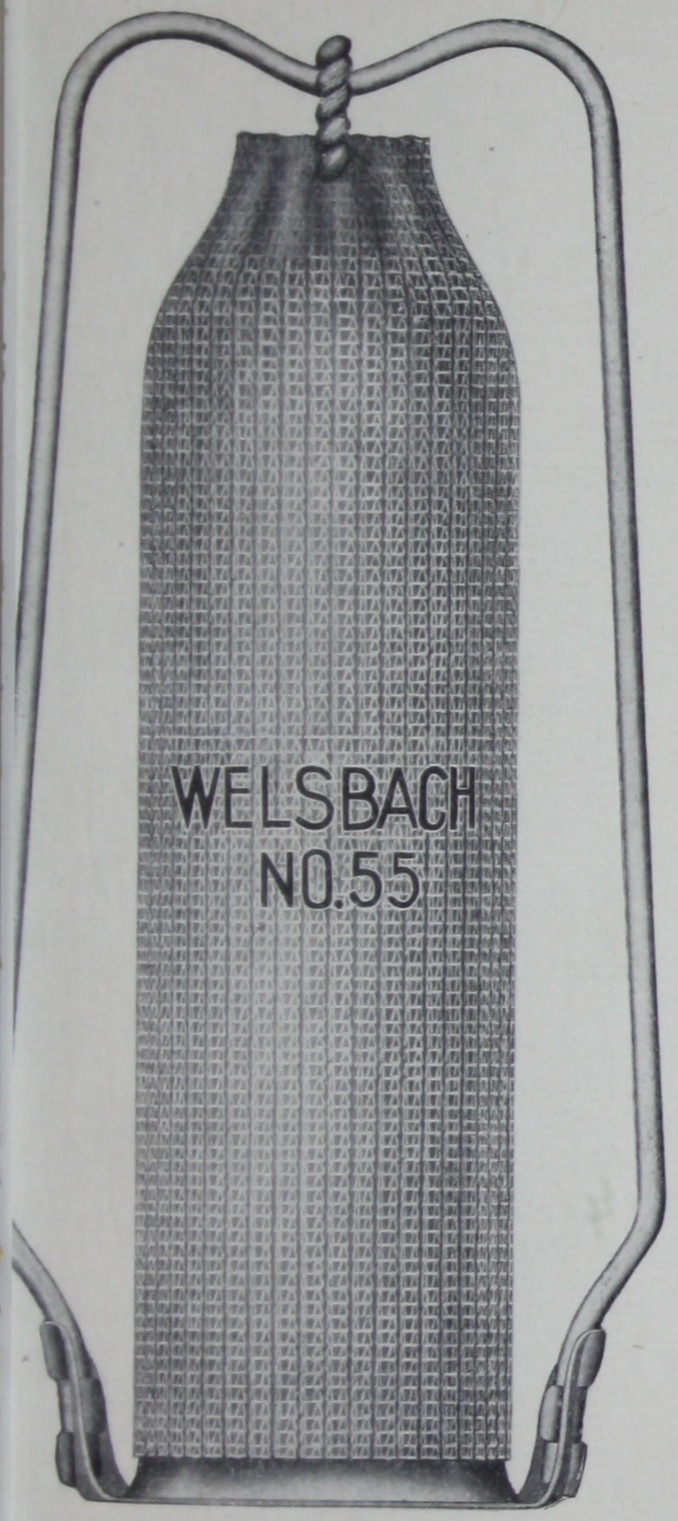
Same quality and size a No. 63, mounted on reducing cap with nicke double-wire support For use on all burner of standard diameters– also No. 63 and No. 7 Welsbach Burners.

Price, per 100, . . **$13.5**
" " dozen, . **1.8**

**When above double wire support mantles are ordered for use on natural gas they will be equipped with plain gauze and cement-coated supports without extra charge.**

# WELSBACH MANTLES

For Pressure Gasoline Lamps




**No. 55 C**

FIRST QUALITY WELSBACH

eavy double weave, 4½ inches long. Mounted on special brass cap, with nickel double wire support.

| | Loop | Cap |
|---|---|---|
| ice, per 100, . . . . . | **$22.50** | **$26.50** |
| " " dozen, . . . . | **3.15** | **3.65** |

**No. 56 C**

FIRST QUALITY WELSBACH

Heavy single weave, 4½ inches long. Mounted on special brass cap, with nickel double wire support.

| | Loop | Cap |
|---|---|---|
| Price, per 100, . . . . | **$21.00** | **$25.00** |
| " " dozen, . . . . | **3.00** | **3.50** |

**No.66.** FIRST QUALITY WELSBACH

Heavy single weave, 4½ inches long, mounted on cap with nickel double wire support.

| | |
|---|---|
| Price, per 100, . . . . . | **$24.00** |
| " " dozen, . . . . | **3.25** |

**No.64.** FIRST QUALITY WELSBACH

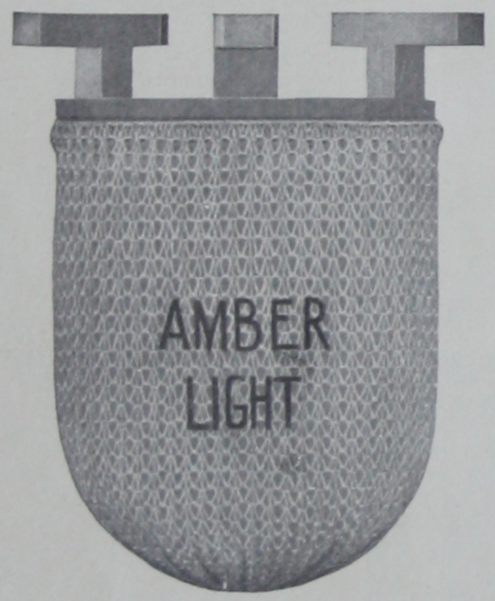
Double weave, 4½ inches long, mounted on cap with nickel double wire support.

| | |
|---|---|
| Price, per 100, . . . . . | **$27.00** |
| " " dozen, . . . . | **3.60** |

When above mantles are ordered for use on natural gas, they will be equipped with plain gauze and cement-coated supports without extra charge.

# WELSBACH "AMBER LIGHT" MANTLES

These mantles give an amber or *soft, mellow light, restful and easy on the eyes, very desirable for home lighting.* They are especially durable and will giv long service. Made in three styles: Inverted (No. 5), same grade as No. 1 size "Reflex"; Upright (No. 192), same grade as 197 J; and "Junior" (No. 54) same grade as the regular "Junior" (No. 53).




**No. 5**

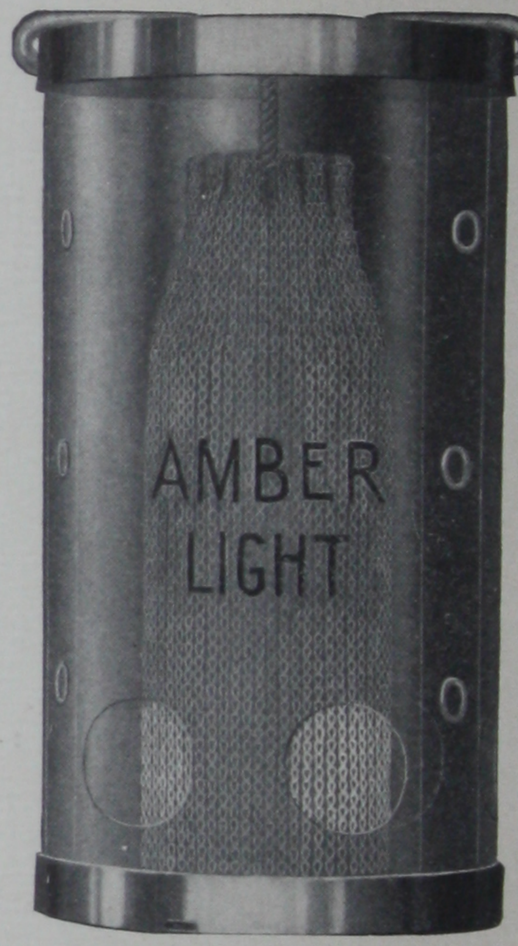
"AMBER LIGHT" INVERTED MANTLE

Price, per 100, . . . . . **$25.00**
" " dozen, . . . . . **3.25**

**No. 192**

"AMBER LIGHT" UPRIGHT MANTLE

Price, per 100, . . . . . **$30.00**
" " dozen, . . . . . **3.85**




**No. 54**

"AMBER LIGHT JUNIOR" MANTLE-CHIMNEY

Price, per 100, . . . . . **$20.0**
" " dozen, . . . . . **2.5**

**When the Upright and "Junior" Mantles are ordered for use on natural gas, they will be equipped with plain gauze without extra charge.**

# WELSBACH INVERTED MANTLES

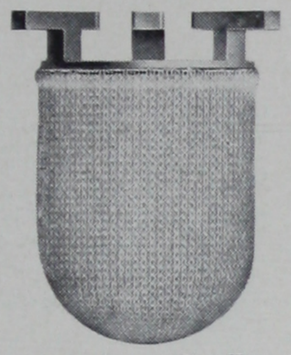
**No. 1 size "Reflex"**

For No. 1 and No 6 size "Reflex" Lights.

The "Reflex" Mantle will not shrink, has great strength, and will maintain its initial candle-power longer than any other mantle on the market.

The magnesia ring upon which the "Reflex" Mantle is now mounted is universal and will fit all inverted burners.

Price, per 100, . . . . . **$25.00**
" " dozen, . . . . . **3.25**



**No. 40 size "Reflex"**

For the new No. 4 size "Reflex" Lights.

Strong, will not shrink, and retains its candle-power throughout its life.

Price, per 100, . . . . . **$15.00**
" " dozen, . . . . . **2.00**

**No. 335**

MICA AIR-HOLE MANTLE-CYLINDER
MICA-COVERED BOTTOM

No. 1 size "Reflex" Mantle on No. 10 ring and finest India mica cylinder, both in one piece, can be put on or removed in one operation without displacing the shade. Just the thing for maintenance work.

Price, per 100, . . . . . **$44.25**
" " dozen, . . . . . **5.90**

**No. 1**

WELSBACH INVERTED MANTLE

First quality, heavy weave, strong and brilliant, mounted on No. 8 magnesia ring.

Price, per 100, . . . . . **$25.00**
" " dozen, . . . . . **3.25**

**No. 2**

WELSBACH INVERTED MANTLE

A heavy weave of great strength, mounted on No. 8 magnesia ring.

Price, per 100, . . . . . **$20.00**
" " dozen, . . . . . **2.55**

**No. 3**

WELSBACH INVERTED MANTLE

A strong triple weave, mounted on No. 8 magnesia ring.

Price, per 100, . . . . . **$15.00**
" " dozen, . . . . . **2.00**

**No. 4**

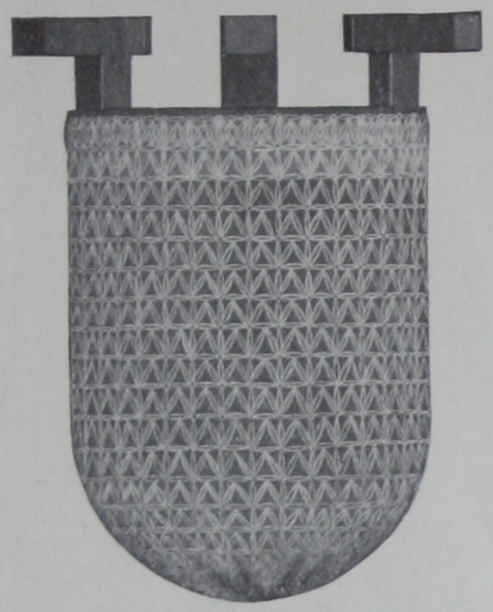
WELSBACH INVERTED MANTLE

Good quality, single weave, mounted on No. 8 magnesia ring.

Price, per 100, . . . . . **$10.00**
" " dozen, . . . . . **1.50**

# INVERTED MANTLES—CONSOLIDATED BRANDS

**Manufactured by CONSOLIDATED INCANDESCENT LIGHT CO., Licensed Manufacturers**



**No. 9**

NEPTUNE BRAND

Triple weave, white light, No. 8 magnesia ring.

Price, per 100, . . . . . **$12.00**
" " dozen, . . . . . **1.65**

## Soft or "Rag" Mantles for use on Gasoline Systems

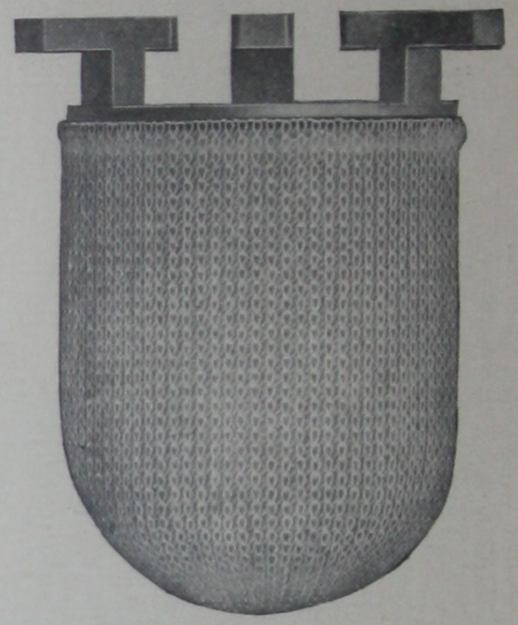
Packed in Paraffine Paper Envelopes.

Shown here ½ size

**No. 70**
LIGHT WEAVE
Price, per 100, . **$6.00**
" " dozen, **.90**

**No. 30**
MEDIUM WEAVE
Price, per 100, . **$7.50**
" " dozen, **1.10**

**No. 50**
HEAVY WEAVE
Price, per 100, . **$9.00** Price, per dozen, **$1.25**

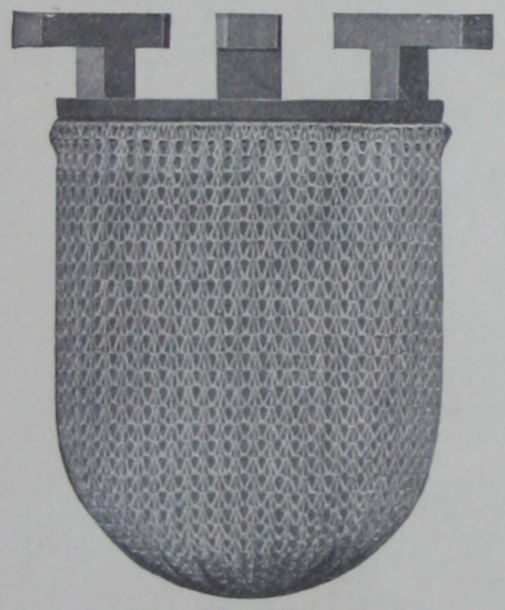


**No. 7**

JUPITER BRAND

Extra single weave, white light, No. 8 magnesia ring.

Price, per 100, . . . . . **$15.00**
" " dozen, . . . . . **2.00**



**No. 28**

ADONIS BRAND

Double weave, white light, No. 8 magnesia ring.

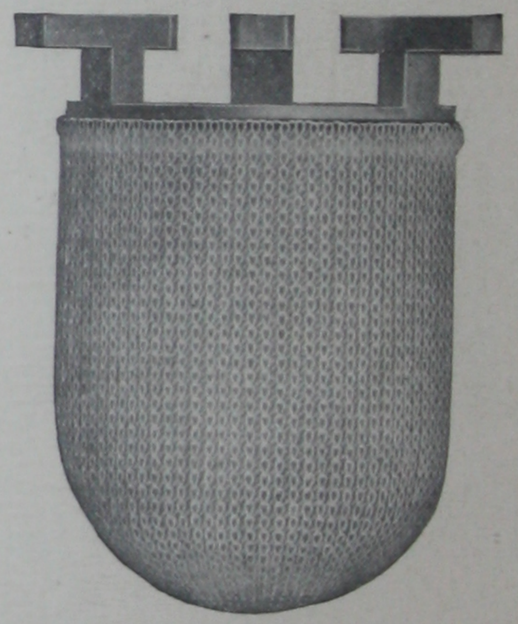
Price, per 100, . . . . . **$12.00**
" " dozen, . . . . . **1.65**

## The "Planet," Inverted Soft or "Rag" Ramie Mantle

Shown here ½ actual size

**No. 72**
(No. 8 Magnesia Ring)
Packed in Pasteboard Box.

Price, per 100, . . . . . **$9.50**
" " dozen, . . . . . **1.40**



**No. 18**

SATURN BRAND

Single weave, white light, No. 8 magnesia ring.

Price, per 100, . . . . . **$10.00**
" " dozen, . . . . . **1.50**

# MANTLES—CONSOLIDATED BRANDS

**Manufactured by CONSOLIDATED INCANDESCENT LIGHT CO., Licensed Manufacturers**

**No. 45 C**

HERALD BRAND

Heavy single weave, extra white light, 4½ inches long, mounted on a nickel double-wire cap to fit burner heads $1\frac{3}{16}$ inches in diameter.

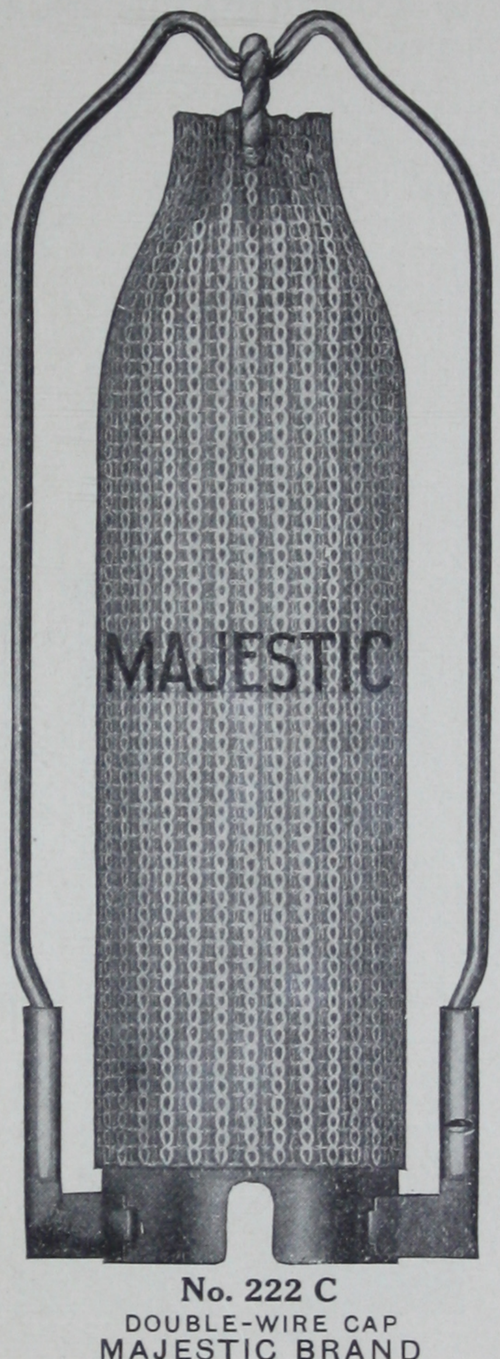
Price, per 100, **$21.25**; doz., **$2.80**

**No. 49 C**

RAINBOW BRAND

Medium single weave, white light, 4½ inches long, mounted on double-wire cap to fit burner heads $1\frac{3}{16}$ inches in diameter.

Price, per 100, **$15.75**; doz., **$2.25**




**No. 222 C**

DOUBLE-WIRE CAP

MAJESTIC BRAND

DOUBLE WEAVE

Price, per 100, . . . . . **$14.50**

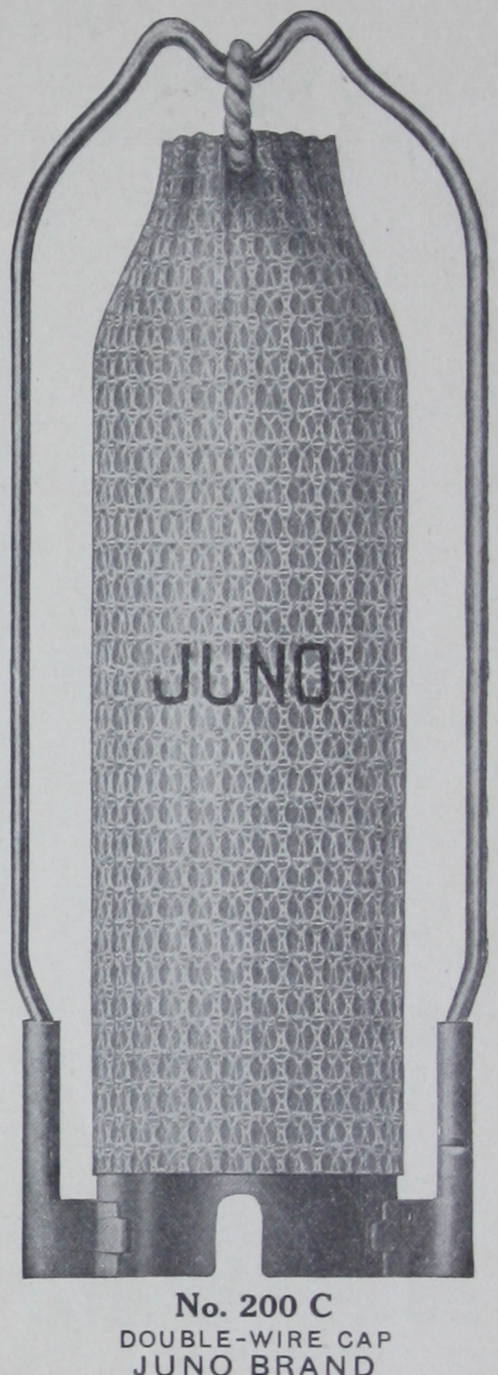
" " dozen, . . . . . **1.95**

**No. 222 L**

LOOP MANTLE WITH HOOK SUPPORT

Price, per 100, . . . . . **$12.25**

" " dozen, . . . . . **1.65**




**No. 200 C**

DOUBLE-WIRE CAP

JUNO BRAND

TRIPLE WEAVE

Price, per 100, . . . . . **$14.50**

" " dozen, . . . . . **1.95**

**No. 200 L**

LOOP MANTLE WITH HOOK SUPPORT

Price, per 100, . . . . . **$12.25**

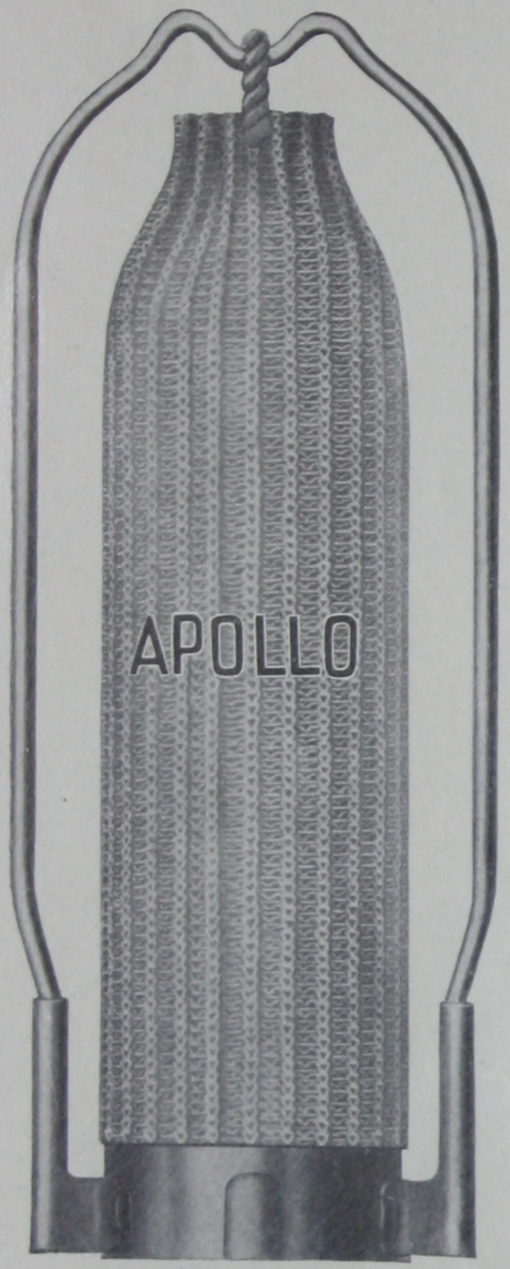
" " dozen, . . . . . **1.65**

**The above mantles are 3½ inches in length. When furnished 4½ inches in length, add to list prices $1.55 per hundred for loop or cap.**

**When above mantles are ordered for use on natural gas, they will be equipped with plain gauze and cement-coated supports.**

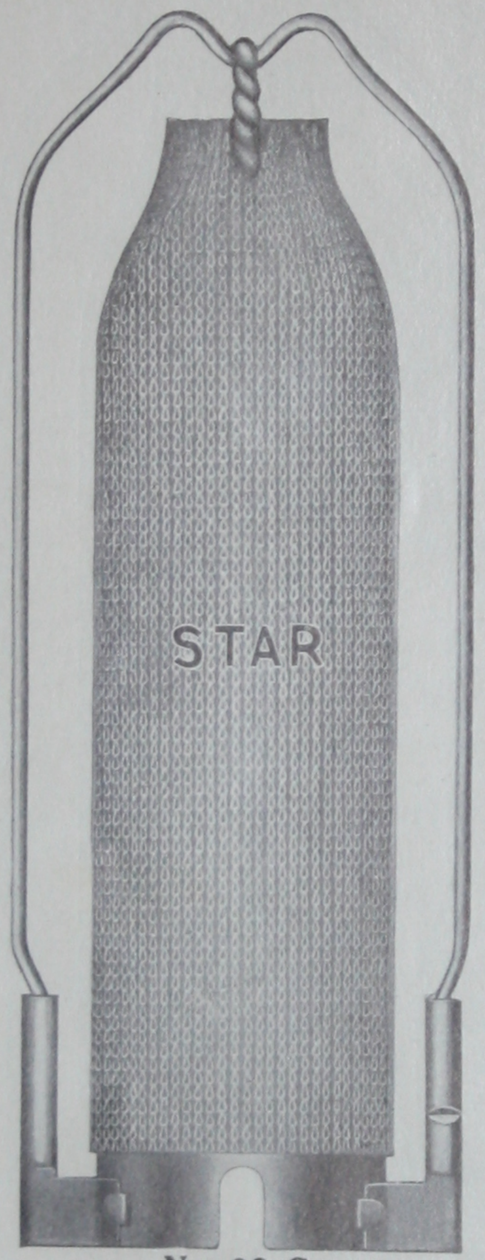
# MANTLES—CONSOLIDATED BRANDS

**Manufactured by CONSOLIDATED INCANDESCENT LIGHT CO., Licensed Manufacturers**



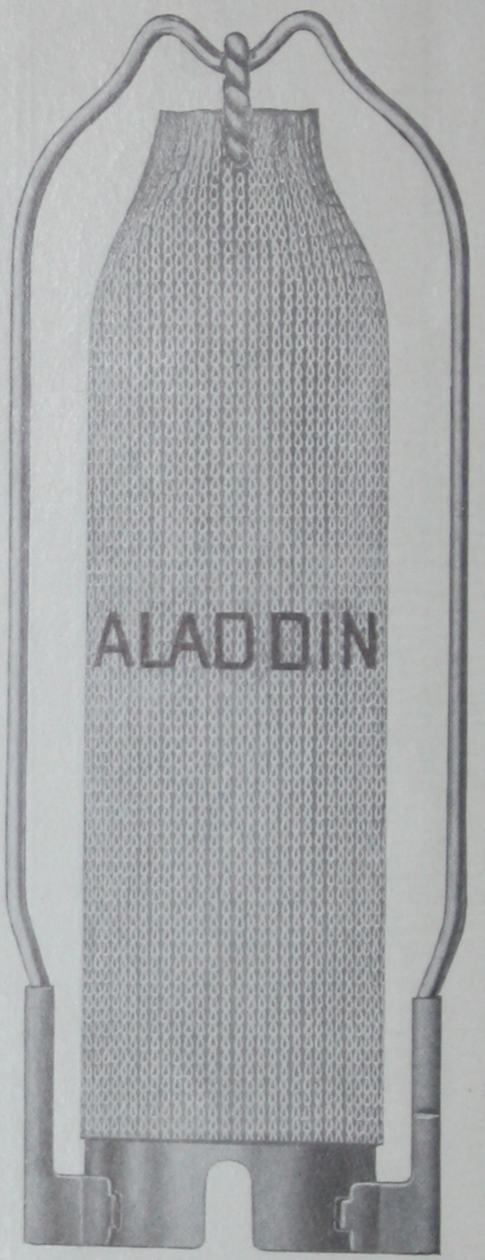

**No. 99 C**
DOUBLE-WIRE CAP
APOLLO BRAND
HORIZONTAL WEAVE
Price, per 100, . . . . . $14.50
" " dozen, . . . . . 1.95

**No. 99 L**
LOOP MANTLE WITH HOOK SUPPORT
Price, per 100, . . . . . $12.25
" " dozen, . . . . . 1.65



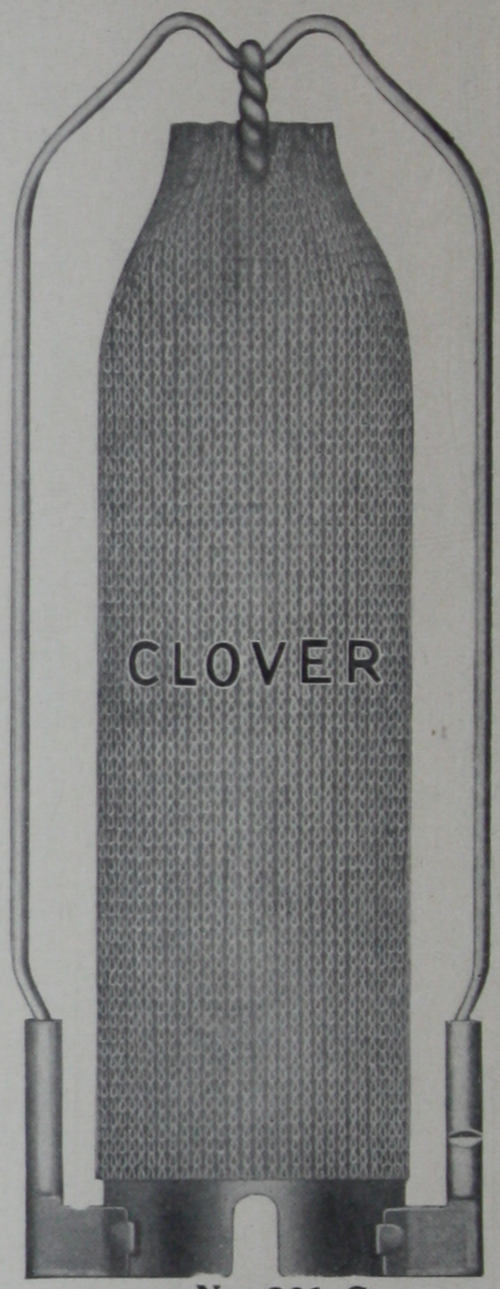

**No. 98 C**
DOUBLE-WIRE CAP
STAR BRAND
HEAVY SINGLE WEAVE
Price, per 100, . . . . . $14.50
" " dozen, . . . . . 1.95

**No. 98 L**
LOOP MANTLE WITH HOOK SUPPORT
Price, per 100, . . . . . $12.25
" " dozen, . . . . . 1.65




**No. 97 C**
DOUBLE-WIRE CAP
ALADDIN BRAND
MEDIUM SINGLE WEAVE
Price, per 100, . . . . . $13.25
" " dozen, . . . . . 1.85

**No. 97 L**
LOOP MANTLE WITH HOOK SUPPORT
Price, per 100, . . . . . $11.25
" " dozen, . . . . . 1.70




**No. 301 C**
DOUBLE-WIRE CAP
CLOVER BRAND
LIGHT SINGLE WEAVE
Price, per 100, . . . . . $11.2
" " dozen, . . . . . 1.7

**No. 301 L**
LOOP MANTLE WITH HOOK SUPPOR
Price, per 100, . . . . . $9.0
" " dozen, . . . . . 1.3

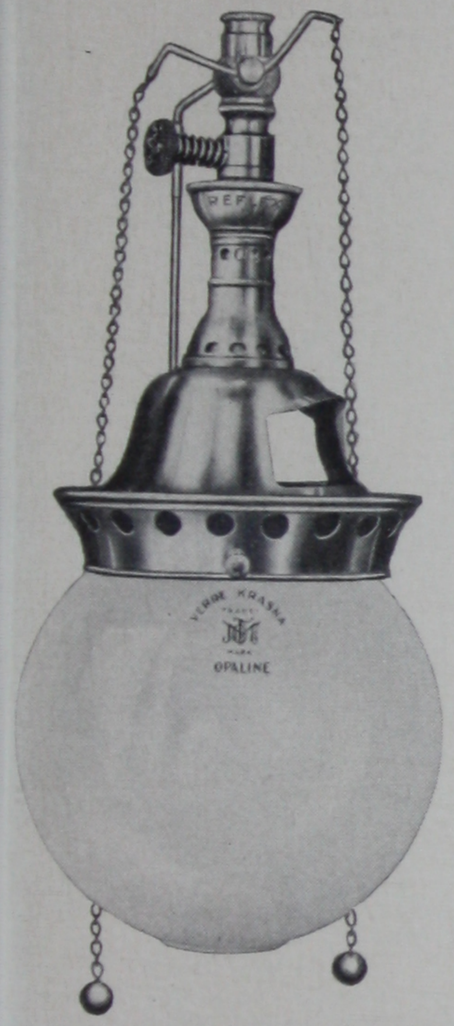
The above mantles are 3½ inches in length. When furnished 4½ inches in length, add to list prices $1.55 per hundred for loop or cap.

When above mantles are ordered for use on natural gas they will be equipped with plain gauze and cement-coated supports.

# No. 1 SIZE "REFLEX" BOXED LIGHTS

**Patented December and June, 1906, and October, 1908.**

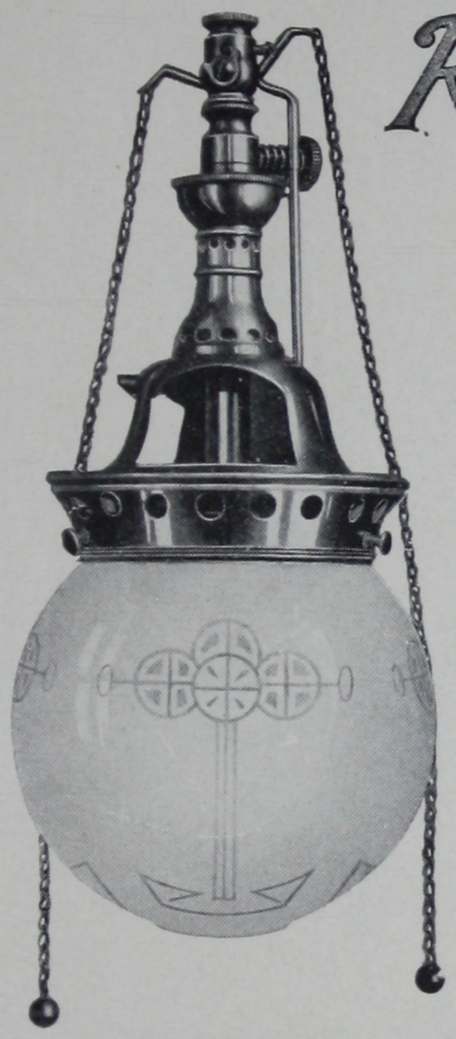
Sold either *with* or *without* the No. 6 Pilot By-pass here shown.




### No. 044 Light

ked complete with "Reflex" lamp, ilot By-pass, mantle, adapter, No. 317 ıner cylinder and No. 440 Verre rasna Opaline globe, which is made f white Austrian glass of great heat-esisting and light-diffusive proper-es. Very little of the light is absorbed, nd an even, warm glow, not obtain-ble from other glassware, is diffused ; ill not discolor or crack from heat.

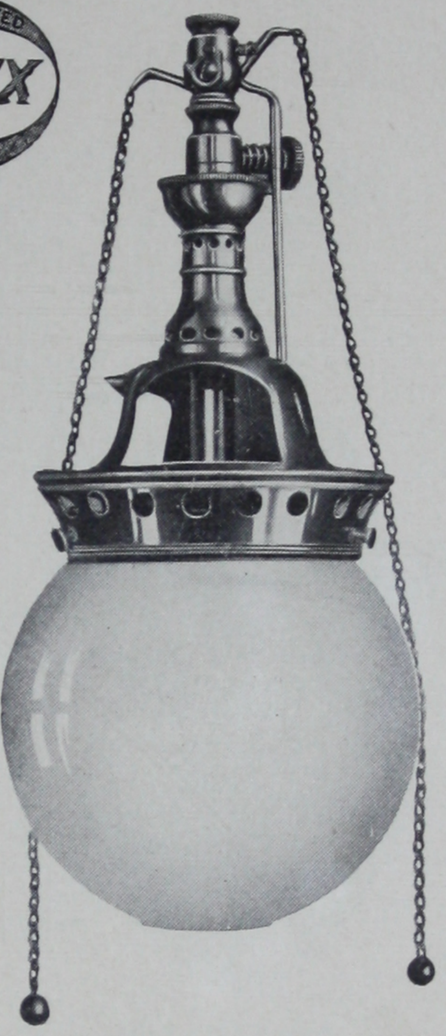
| | 100 Lots. | Less than 100 Lots. |
|---|---|---|
| ce, each, **with** By-pass, . . . . . | **$2.05** | **$2.10** |
| ce, each, **without** By-pass, . . . . . | **1.70** | **1.75** |




### No. 054 Light

Packed complete same as No. 044 except with No. 450 etched globe. Decorative and attractive ; we here offer a light with a fancy etched globe at same price as one with a plain globe.

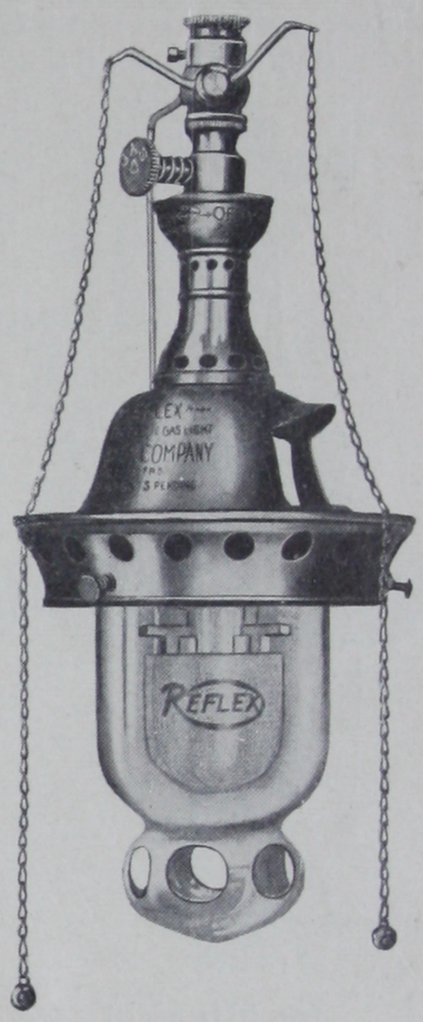
| | 100 Lots. | Less than 100 Lots. |
|---|---|---|
| Price, each, **with** By-pass, . . . . . | **$2.05** | **$2.10** |
| Price, each, **without** By-pass, . . . . . | **1.70** | **1.75** |



### No. 244 Light

Packed complete same as No. 044 except with No. 442 five-inch French roughed globe.

| | 100 Lots. | Less than 100 Lots. |
|---|---|---|
| Price, each, **with** By-pass, . . . . . | **$2.05** | **$2.10** |
| Price, each, **without** By-pass, . . . . . | **1.70** | **1.75** |




### No. 713 Light

Packed complete same as No. 044, except without globe, thus giving the dealer a lamp on which the various styles of fancy glassware and reflecting shades can be used.

| | 100 Lots. | Less than 100 Lots. |
|---|---|---|
| Price, each, **with** By-pass, . . . . . | **$1.85** | **$1.90** |
| Price, each, **without** By-pass, . . . . . | **1.50** | **1.55** |

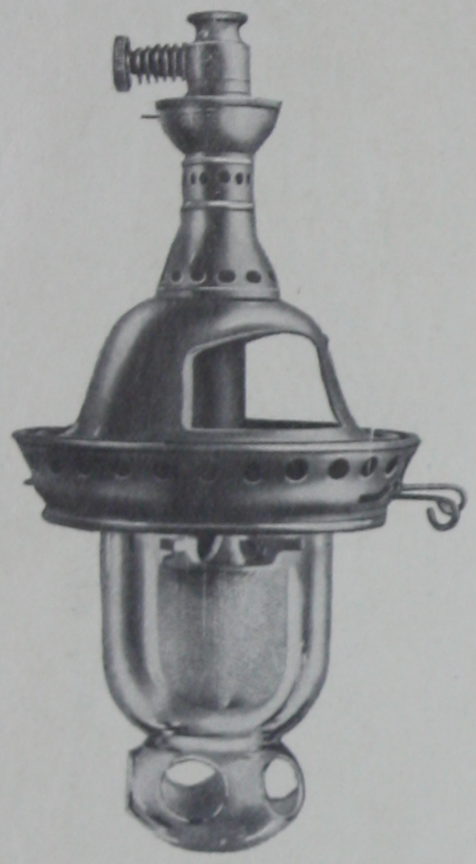
**When Reflex lights are to be used on natural gas so state when ordering.**

# No. 6 SIZE "REFLEX" BOXED LIGHTS

**Patented December and June, 1906, and October, 1908, others pending.**

Sold either *with* or *without* the No. 6 Pilot Pass.

This new and improved "Reflex" burner has a patent clip that makes it possible to remove or replace the glassware with a single motion of the thumb and forefinger.
Further improved by a special high-grade lacquer with which it is finished and an aluminum lining in the crown, doing away with the white deposit sometimes seen in an inverted gas lamp, and prac cally overcomes tarnishing troubles.
It also has a long sleeve around the gas adjusting screw, whi gives a longer bearing, better alignment and prevents gas leaks.



### No. 618 Light

Packed complete with No. 6 "Reflex" Lamp, mantle, adapter and No. 318 inner cylinder. For use with any style of shade or globe.

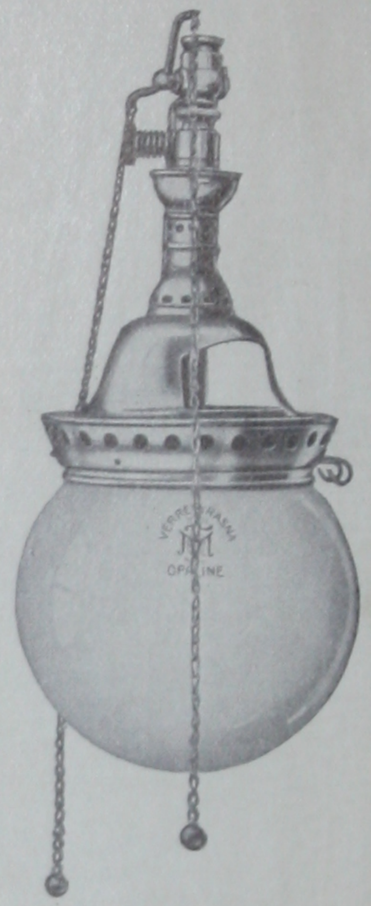
| | 100 Lots. | Less than 100 Lots. |
|---|---|---|
| Price, each, **with** By-pass, . . . . . | **$2.05** | **$2.10** |
| Price, each, **without** By-pass, . . . . . | **1.70** | **1.75** |

### No. 621 Light

Packed complete with No. 6 "Reflex" Lamp, mantle, adapter, and No. 321 inner cylinder. For use with shades only.

| | 100 Lots. | Less than 100 Lots. |
|---|---|---|
| Price, each, **with** By-pass, . . . . . | **$2.05** | **$2.10** |
| Price, each, **without** By-pass, . . . . . | **1.70** | **1.75** |

The inner cylinders for these lights do not depend upon the globe or shade, but are equipped with glass nibs that fit into slots inside the burner itself.



### No. 640 Light

Packed complete with No. 6 "Reflex" Lamp, No. 6 Pilot By-pass, mantle, adapter, No. 318 cylinder and No. 440 Verre Krasna Opaline globe. which is made of white Austrian glass of great heat-resisting and light-diffusive properties. Very little of the light is absorbed, and an even, warm glow not obtainable from other glassware, is diffused; will not discolor or crack from heat.

| | 100 Lots. | Less than 100 Lots. |
|---|---|---|
| Price, each, **with** By-pass, . . . . . | **$2.25** | **$2.30** |
| Price, each, **without** By-pass . . . . . | **1.90** | **1.95** |

### No. 650 Light

Packed complete, same as No. 640, exce with No. 450 etched globe. Decorati and attractive; a light with a fan etched globe at same price as one wi a plain globe.

| | 100 Lots. | Less th 100 Lo |
|---|---|---|
| Price, each, **with** By-pass, . . . . . | **$2.25** | **$2.** |
| Price, each, **without** By-pass, . . . . . | **1.90** | **1.** |

### No. 642 Light

Packed complete, same as No. 640, e cept with No. 442 five-inch Fren roughed globe.

| | 100 Lots. | Less th 100 Lo |
|---|---|---|
| Price, each, **with** By-pass, . . . . . | **$2.25** | **$2.** |
| Price, each, **without** By-pass, . . . . . | **1.90** | **1.** |

When "Reflex" lights are to be used on natural gas so state when ordering.

# No. 4 SIZE REFLEX BOXED LIGHTS

**Patented September, 1903, others pending.**

Sold either *with* or *without* No. 46 Pilot By-pass, here shown.

New, attractive shape. Smaller size designed for positions which do not necessitate so powerful a lighting unit as the larger "Reflex."

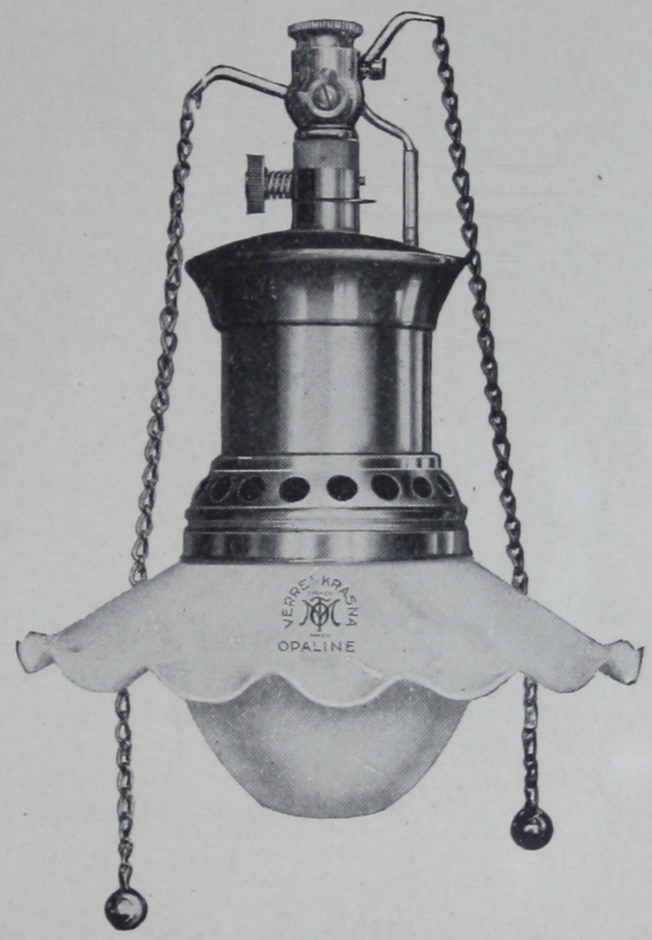
**No. 424 "Reflex" Light**

Height over all, not including by-pass, 6½ inches. Height from top of bunsen base to bottom of stack, 3½ inches. Diameter of bottom of stack, 2½ inches. Diameter of globe, 3½ inches.

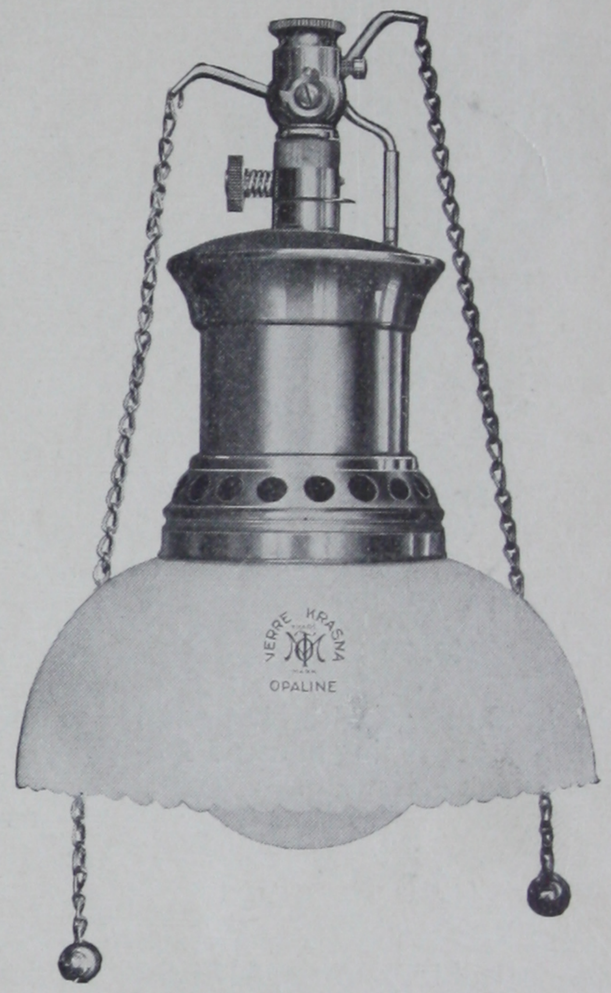
Finish: Brushed brass, special finishes to order.

Prices: Packed with No. 40 Mantle and No. 324 V. K. Opaline, or F. Q. M. crystal roughed-top or all-roughed globe:

100 lots, each, **with** By-pass, . . . . . **$1.35**
" " **without** By-pass, . . . . . **1.00**
Less than 100 lots, each, **with** By-pass, . . . **1.40**
" " " **without** By-pass, . . **1.05**




**No. 428 "Reflex" Light with 9420 Shade**




**No. 428 "Reflex" Light with 9421 Shade**

Price on this light does not include either of the shades illustrated (listed under No. 4 "Reflex" glassware, page 55).

Height over all, not including by-pass, 5⅜ inches. Height from top of bunsen base to bottom of stack, 3½ inches. Diameter of bottom of stack, 2½ inches. Diameter of globe, 2⅝ inches.

Finish: Brushed brass, special finishes to order.

Prices: Packed with No. 40 Mantle and No. 328 V. K. Opaline, or F. Q. M. crystal roughed-bottom globe:

100 lots, each, **with** By-pass, . . . . . **$1.35**
" " **without** By-pass, . . . . . **1.00**
Less than 100 lots, each, **with** By-pass, . . . . . **1.40**
" " " **without** By-pass, . . . . . **1.05**

**If No. 44 adapter** (goose-neck) is wanted, add **7¼ cents** to the list price.

When "Reflex" lights are to be used on natural gas, so state when ordering.

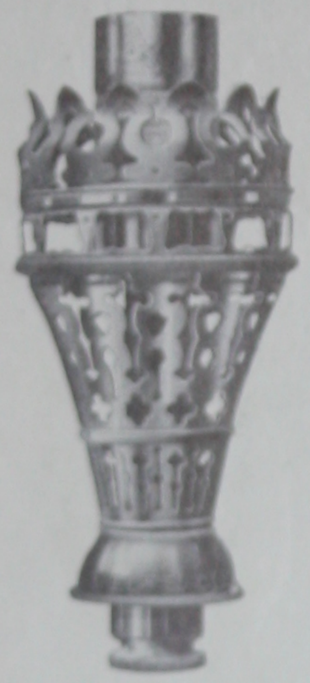
# WELSBACH GALLERY BURNERS

Prices quoted in case lots are F. O. B. Waterbury, Conn.

**No. 71 B**

Welsbach Burner, with improved center-hole regulating bunsen. Fitter for 2-inch glassware.

| | |
|---|---|
| Price, per case of 432 burners, | **$150.00** |
| " " 100, | **36.00** |
| " " dozen, | **4.50** |



**No. 66 B**

Improved high-candle power Welsbach Gallery Burner, with improved center-hole regulating bunsen. Fitter for 2-inch glassware.

| | |
|---|---|
| Price, per case of 432 burners, | **$175.00** |
| " " 100, | **45.00** |
| " " dozen, | **5.75** |

**No. 82 B**

A new Welsbach Burner for use on combination gas and electric fixtures. Finished in brushed or polished brass. Fitter for 2¼-inch glassware.

| | Brushed or Polished Brass |
|---|---|
| Price, per case of 432 burners, | **$150.00** |
| " " 100, | **36.00** |
| " " dozen, | **4.50** |

**No. 61 B**

Improved Universal Welsbach Gallery Burner, with improved center-hole regulating bunsen. Adjustable fittings permit use of incandescent electric globes, 4-inch gas globes and all standard incandescent glassware.

| | |
|---|---|
| Price, per case of 432 burners, | **$150.00** |
| " " 100, | **36.00** |
| " " dozen, | **4.50** |

**No. 63 B**

Welsbach Gallery Burner, with small size burner head, for use with No. 63 or No. 15 Welsbach Mantle; otherwise same as No. 61 B using adjustable fittings.

Price, per case of 432 burners, **$150.00** Price, per 100, . . . . . **$36.00** Price, per dozen, . . . . . **$4.50**

When Burners are to be used on natural gas so state when ordering.

# CONSOLIDATED BURNERS

Prices quoted in case lots are F. O. B. Waterbury, Conn.

No. 2 B

...ond Gallery Burner. 2-inch glassware filter.

...ce, per case of 300 burners, $40.00
" " 100, 8.00
" " dozen, 1.20

No. 79 B

Needle-valve adjustment; dipped finish; 2-inch glassware filter. Solid deck for air-hole glassware. (Open deck will be supplied for use on natural gas, when specified.)

Price, per case of 300 burners, $40.00
" " 100, 10.00
" " dozen, 1.20

No. 84 B

Screw cap needle-valve gas adjustment; bright dipped finish; 2-inch glassware filter.

Price, per case of 300 burners, $75.00
" " 100, 17.00
" " dozen, 2.00

No. 88 B

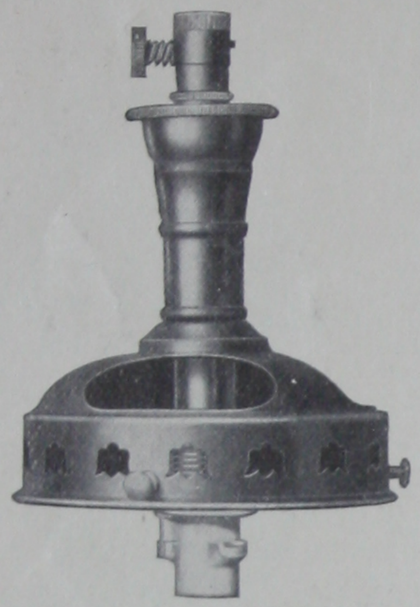
Improved side screw needle-valve gas adjustment; bright dipped finish; 2-inch glassware filter.

Price, per case of 300 burners, $85.00
" " 100, 21.00
" " dozen, 2.00

When burners are to be used on natural gas or state when ordering.

# CONSOLIDATED INVERTED BURNERS

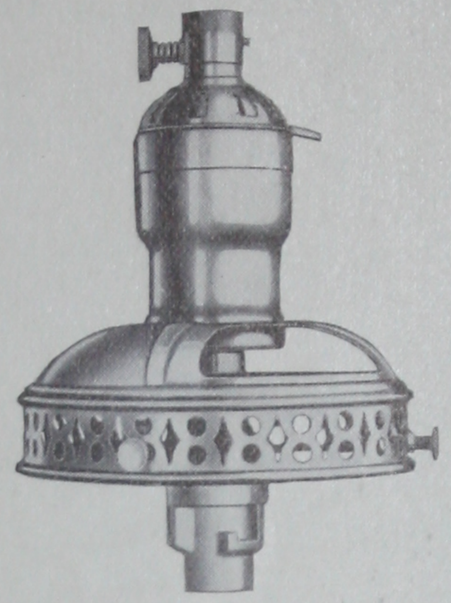
**Prices quoted in case lots are F. O. B. Waterbury, Conn.**



**No. 10 Inverted Burner**

With magnesia burner tip, adjustable air shutter, side screw needle-valve gas adjustment.

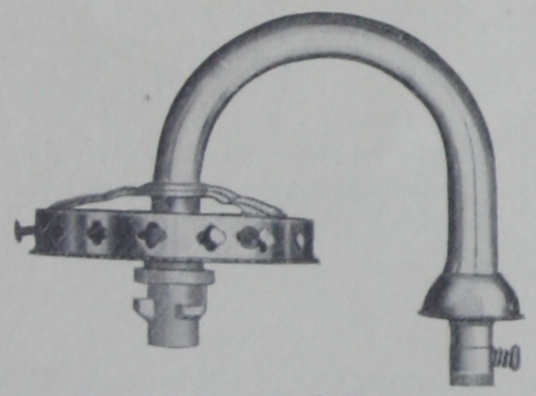
| PRICES: | Dipped and Lacquered. | Polished or Brushed Brass |
|---|---|---|
| Price, per case of 432, | **$194.25** | **$205.50** |
| " per 100, . . . | **48.00** | **50.50** |



**No. 16 Inverted Burner**

A new incandescent gas burner for use on combination gas and electric fixtures Fitted with adjustable air shutter, side screw needle valve gas adjustment, and magnesia burner tip. Finished in brushed brass.

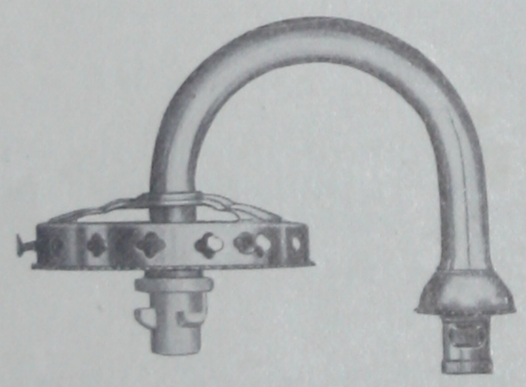
| | |
|---|---|
| Price, per case of 432 burners, . . | **$150.00** |
| " per 100, . . . . . | **36.00** |



**No. 12 Inverted Burner**

Magnesia burner tip, side screw gas adjustment.

| PRICES: | Dipped and Lacquered | Polished Brass. |
|---|---|---|
| Price, per case of 432 burners, . . . . . | **$142.50** | **$152.25** |
| Price, per 100, . . . | **36.00** | **38.25** |

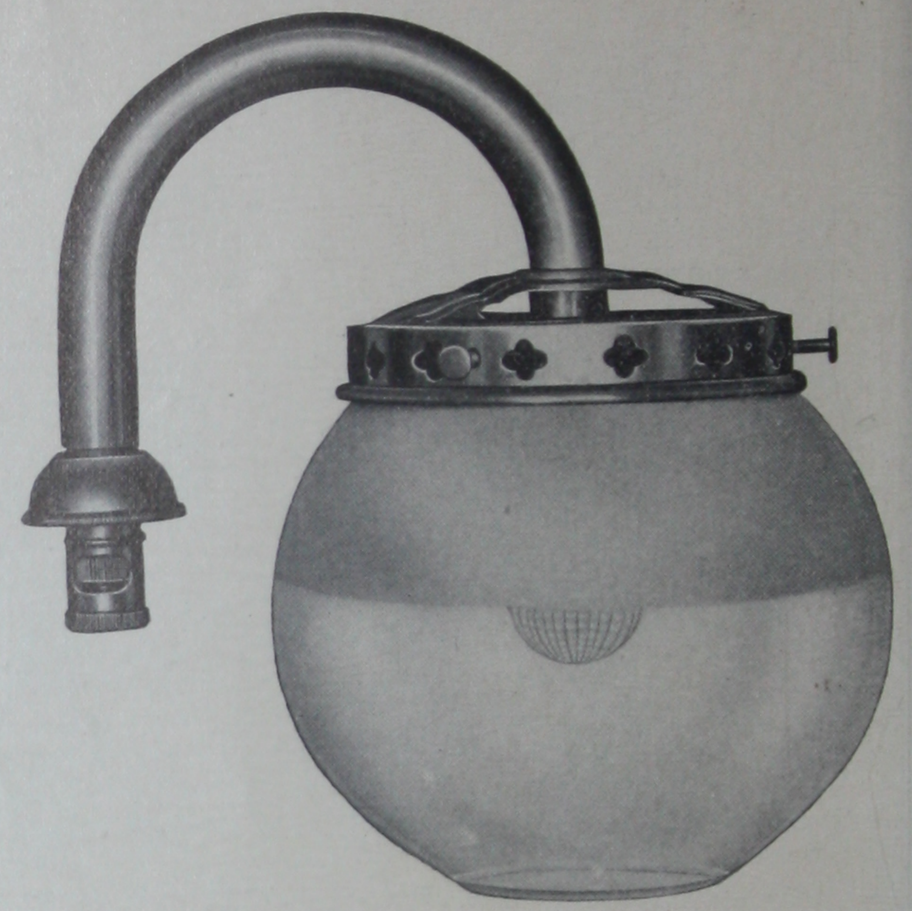


**No. 15 Inverted Burner**

Magnesia burner tip, wheel check gas adjustment.

| PRICES: | Dipped and Lacquered. | Polished Brass. |
|---|---|---|
| Price, per case of 432 burners, . . . . . | **$126.50** | **$136.00** |
| Price, per 100, . . . | **32.25** | **34.50** |

# "JUPITER" INVERTED BOXED LIGHT



**No. 7**

THE "JUPITER" INVERTED LIGHT

Goose-neck type, dipped and lacquered finish; wheel or sid screw gas adjustment; magnesia tip. Boxed, complete, wit Jupiter Mantle and No. 1088 half frosted globe.

| | Wheel Check. | Side Screw |
|---|---|---|
| Price, 100 lots, each, . . . . . | **$0.68** | **$0.72** |
| " less than 100 lots, each, . . . . . | **.72** | **.75** |

**Price, Burner only**

Finish: dipped and lacquered; wheel or side screw ga adjustment.

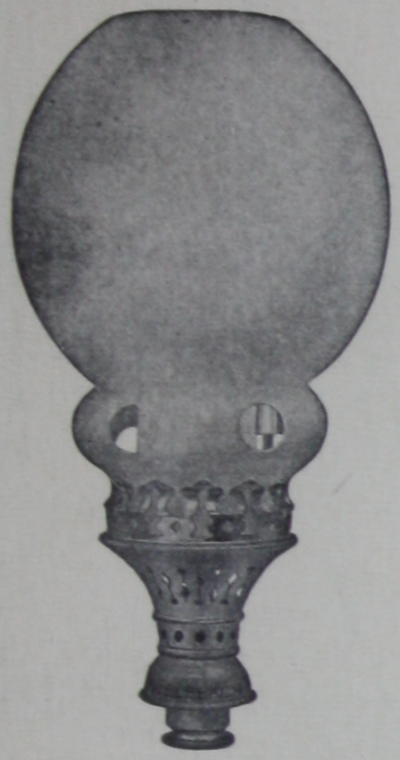
| | Wheel Check. | Side Screw |
|---|---|---|
| Per case of 432, . . . . . | **$165.00** | **$181.5** |
| " 100, . . . . . | **41.25** | **45.0** |

F. O. B. Waterbury, Conn.

When burners are to be used on natural gas so state when ordering.

# BOXED WELSBACH LIGHTS

**Packages charged at Manufacturer's Schedule**



**No. 71302**

THE Q. LIGHT

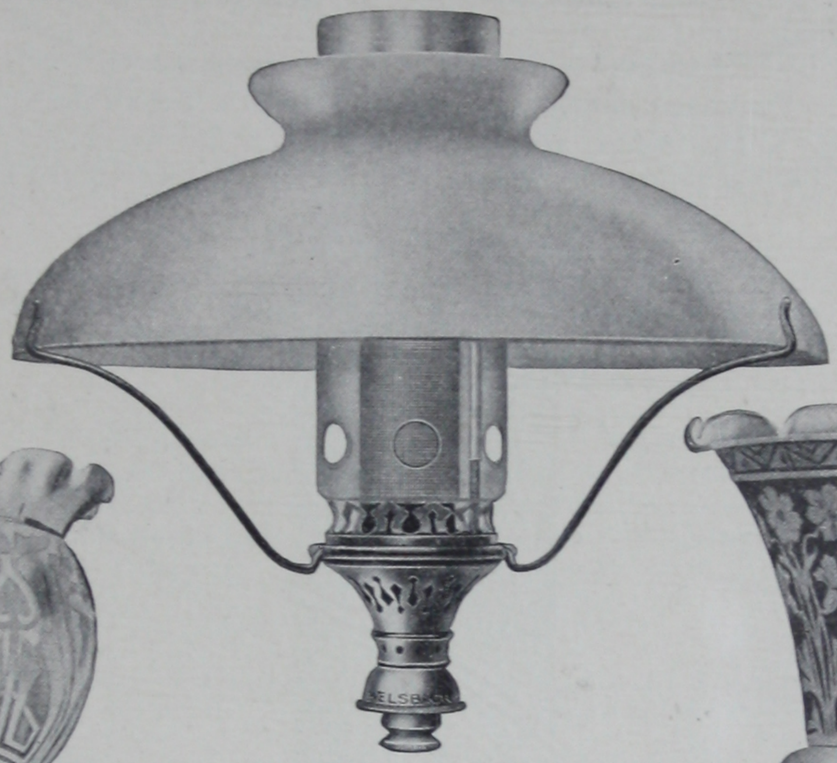
Boxed complete with No. 71 Welsbach Burner, No. 302 F. Q. M. opal globe, No. 197 J Brand Welsbach Mantle.

Price, complete, 100 lots, each, . . . . . **$1.00**
Price, complete, dozen lots, each, . . . . . **1.10**

**No. 71567**

Boxed complete with No. 71 Burner, No. 197 J Brand Welsbach Mantle, No. 0567 white acid-etched air-hole globe.

Price, complete, 100 lots, each, . . . . **$1.30**
Price, complete, dozen lots, each, . **1.40**



**No. 71306**

THE DOME LIGHT

Boxed complete, with No. 71 Welsbach Burner, No. 306 F. Q. M. cylinder, No. 197 J Brand Welsbach Mantle.

The No. 71 new shape 10-inch shade and No. 66 tripod are packed separately.

**With Opal Shade**

Price, complete, 100 lots, each, . . . . . **$1.30**
Price, complete, dozen lots, each, . . . . . **1.40**

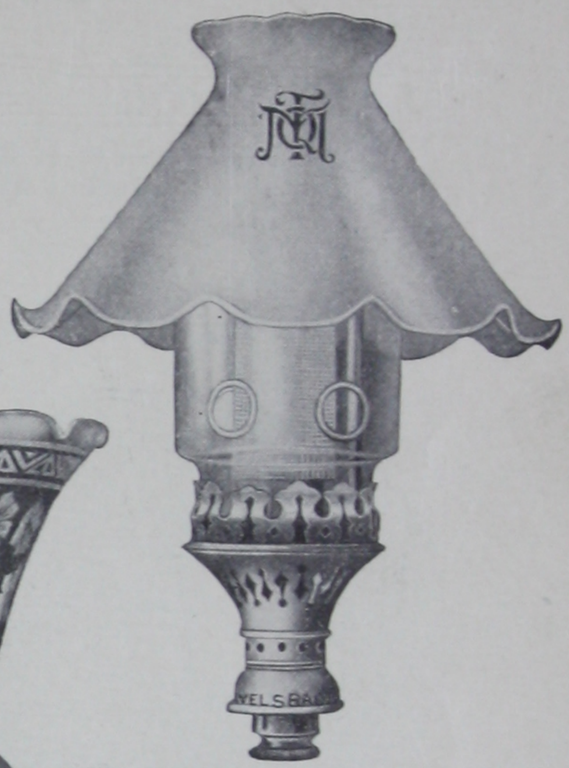
**With Green-plated Shade**

Price, complete, 100 lots, each, . . . . . **$1.80**
Price, complete, dozen lots, each, . . . . . **1.90**

**No. 71566**

Boxed complete with No. 71 Burner, No. 197 J Brand Welsbach Mantle, No. 0566 white acid-etched air-hole globe.

Price, complete, 100 lots, each, . . . **$1.30**
Price, complete, dozen lots, each, . **1.40**



**No. 71310**

THE CHIC LIGHT

Boxed complete, with No. 71 Welsbach Burner, No. 310 F. Q. M. cylinder, No. 196 Junior J Brand Welsbach Mantle.

The No. 316 opal shade is packed separately.

Price, complete, clear cylinder, 100 lots, each, . . . . . **$1.25**
Price, complete, clear cylinder, dozen lots, each, . . . . . **1.35**

**With No. 310 F. Q. M. Opal Cylinder**

Price, complete, 100 lots, each, . . . . . **$1.35**
Price, complete, dozen lots, each, . . . . . **1.45**

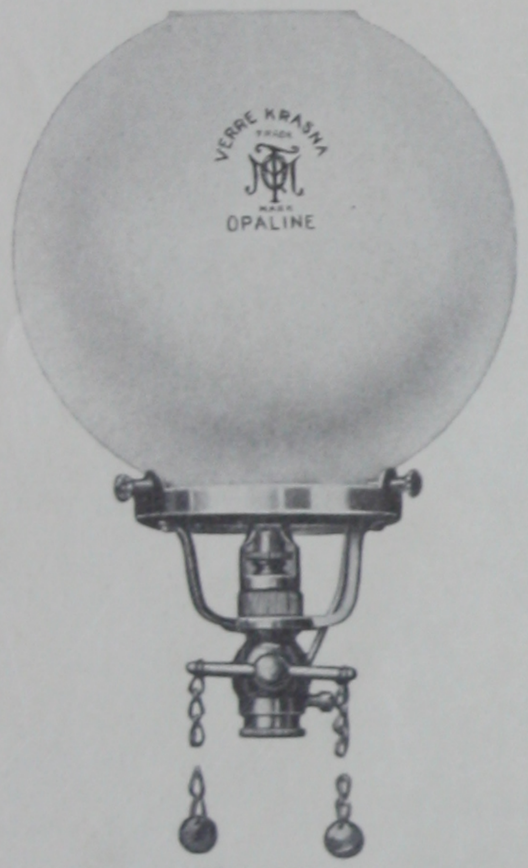
When No. 301 By-pass is assembled with above lights add 40 cents to list prices.

**When Boxed Lights are to be used on natural gas so state when ordering.**

# BOXED *Welsbach Junior* LIGHTS

**Packages charged at Manufacturer's Schedule**

The diameter of the mica chimney is 1½ inches, eliminating danger of discoloration.
The "Junior" Mantle is made from a high-grade special fiber, insuring maximum candle-power and physical life.

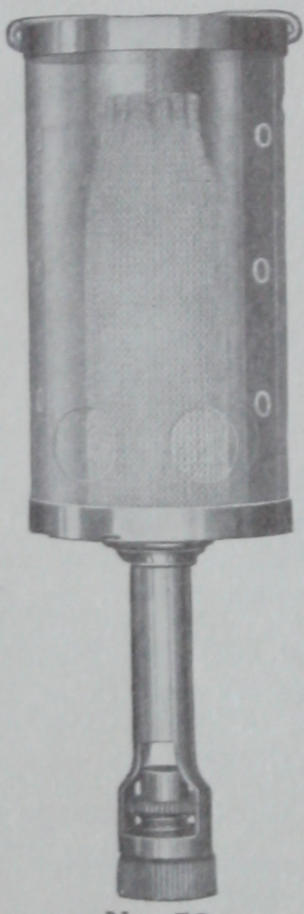



**No. 173**

WELSBACH JUNIOR LIGHT

Complete with No. 173 Verre Krasna Opaline globe, No. 21 Electric Ring and No. 22 Junior By-pass.
Packed complete in carton.

Price, complete, 100 lots, each, . . . . . **$0.90**
Price, complete, dozen lots, each, . . . . . **.95**

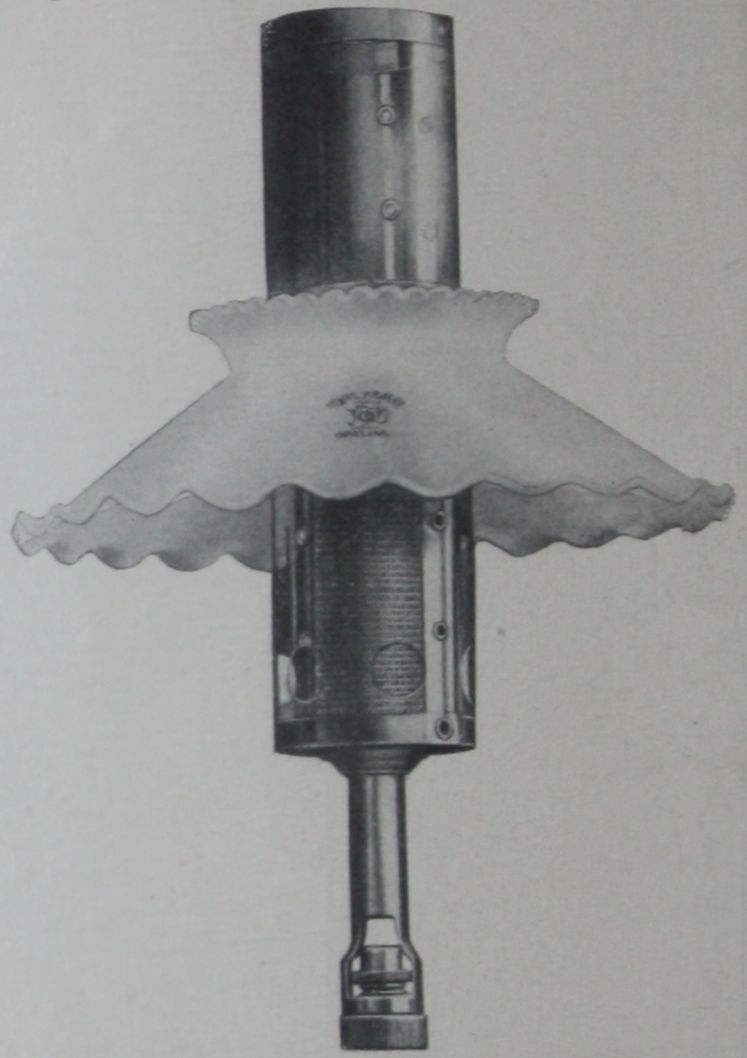


**No. 52**

THE WELSBACH JUNIOR LIGHT

Burner, needle valve adjustment; mantle, high-grade special fiber; chimney, air-hole mica; mantle mounted in chimney.
Height of light, 5 inches.
Packed complete in carton.

Price, complete, 100 lots, each, . . . . . **$0.40**
Price, complete, dozen lots, each, . . . . . **.45**



**No. 9149**

WELSBACH JUNIOR LIGHT

Welsbach Junior Light complete. No. 9419 Verre Krasna Opaline shade and Junior Intensifier, which increases the light fully 25 per cent.
Shades and intensifiers are packed separately.

Price, complete, 100 lots, each, . . . . . **$0.75**
Price, complete, dozen lots, each, . . . . . **.80**

**When Boxed Lights are to be used on natural gas so state when ordering.**

# HARP AND BILLIARD TABLE FIXTURES

## No. 5 Harp Fixture

Finish, Polished Brass.

Length of fixture, 30 inches. Length of harp, 22 inches. Width, 4½ inches.
Equipped with No. 66 high candle-power Welsbach Burner, side pilot by-pass, tube covered with refractory sleeve to prevent bending, smoke bell, and 14-inch reflector attached to an adjustable brass crown.
Packed one dozen to the case, without air-hole cylinder or mantle, and so priced.

**With No. 5 Opal Glass Reflector**
Price, per dozen **$45.00**; each, **$4.00**

**With No. 5 Steel Enameled Reflector**
Price, per dozen, **$48.00**; each, **$4.25**

## No. 5 Reflector

Diameter, 14 inches. Package contains 4 dozen enamel; 2 dozen glass.

Price, steel enameled, per dozen, **$10 00**
" " " each, . . . **1.00**
Price, opal glass, per dozen, **$6.00**
" " " each, . . . . . **.65**

## No. 6 Harp Fixture

Finish, Polished Brass.

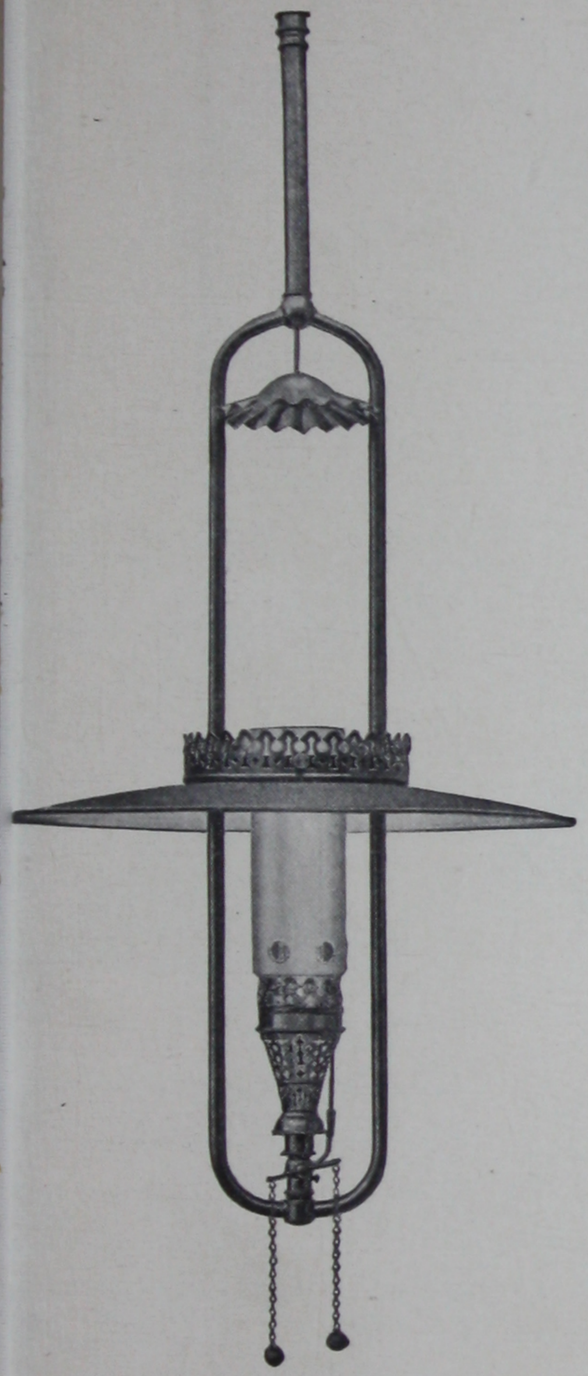
Length of fixture, 30 inches. Length of harp, 22 inches. Width, 4½ inches.
Equipped with No. 66 high candle-power Welsbach Burner, side pilot by-pass, tube covered with refractory sleeve to prevent bending, smoke bell, and 14-inch opal dome shade and adjustable embossed brass shade-crown 2¼ inches high.
Packed one dozen to the case, without air-hole cylinder or mantle, and so priced.

Price, per dozen, . . . . . **$51.00**
Price, each, . . . . . **$4.50**

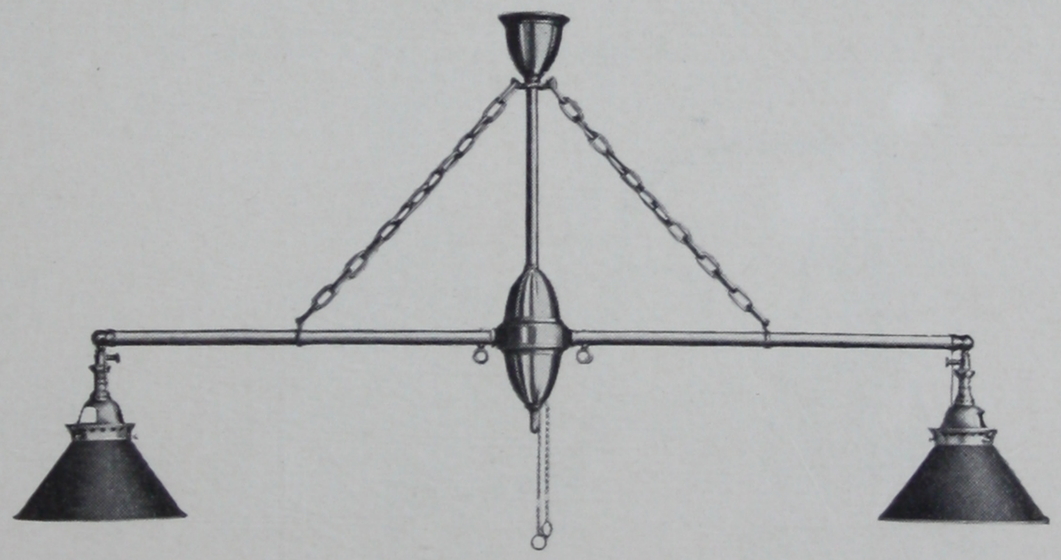
## No. 6 Shade

Diameter, 14 inches. Package of opal shades contains 1 doz.; colored, ½ doz.

Opal, plain, dozen, . . . . . **$8.00**
" " each, . . . . . **.85**
Green-plated, dozen, . . . . . **39.00**
" " each, . . . . . **3.75**
Yellow-plated, dozen, . . . . . **$46.00**
" " each, . . . . . **4.25**
Rose-plated, dozen, . . . . . **46.00**
" " each, . . . . . **4.25**



**No. 5**
HARP FIXTURE



**No. 1804**

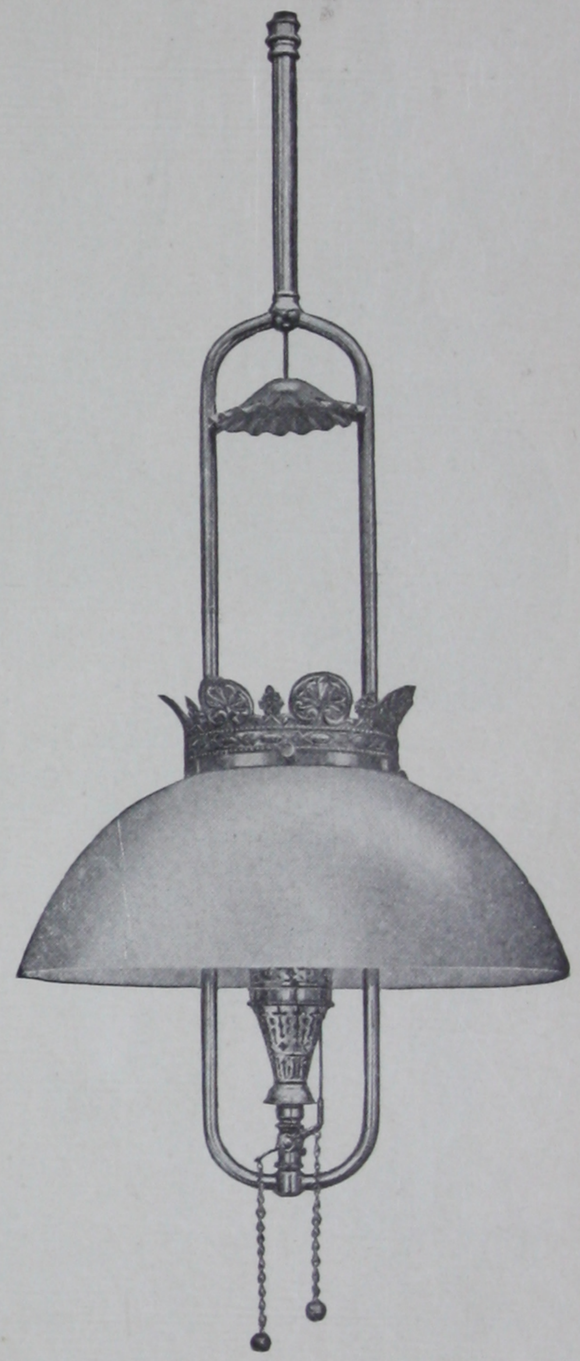
## Billiard Table Fixture.

SELF-LIGHTING REFLEXOLIER.

**Also valuable for store window illumination**

Dimensions of fixture: Drop, 24 inches; spread, 51 inches. Fixture of ¾-inch round casing; heavy oval link chains. Finished in brushed brass. Sliding canopy.

Price, fixture only, each, . . . . . **$11.00**



**No. 6**
HARP FIXTURE

# PORTABLES, PENDANTS AND BRACKETS FOR "REFLEX" LIGHTS

**Desk Portable No. 908**

Finish, Brushed Brass.

Made expressly for lighting roll-top desks. We recommend the use of No 445 angle shade.

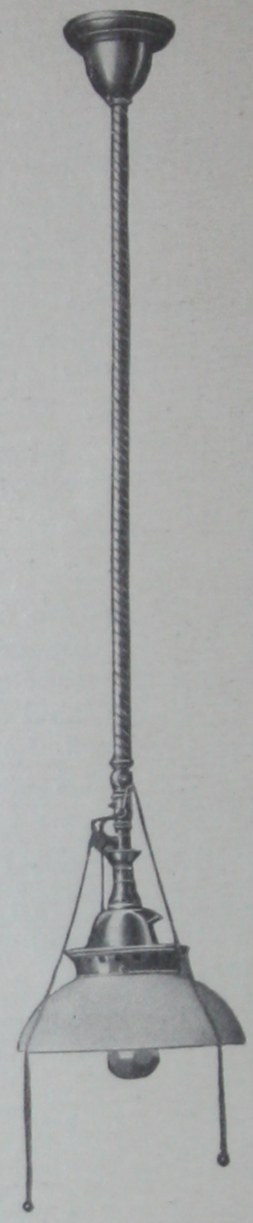
Price, portable only, each, . . . . . **$4.50**

**Table Portable No. 907**

Finish, Brushed Brass.

For lighting work-tables of any description. Particularly effective for table desks, as the lamp is adjustable and can be raised or lowered to suit all conditions.

Price, portable only, each, . . . . . **$4.50**



**No. P 8717**
**Pendant**

Supplied 18, 24 or 33 inches in length. Sliding canopy; $\frac{5}{8}$-inch roped casing, turned cock.

Finish: brushed brass.

**Price, Pendants only:**

| | |
|---|---|
| 18-inch, each, | **$0.80** |
| 24 " " | **.90** |
| 33 " " | **1.15** |

Specify length wanted when ordering.

**Flexible Metal Tubing**

The best quality steel flexible tubing, $\frac{5}{16}$-inch in diameter; asbestos-packed.

NOTE.—The standard length of tubing is 18 inches; total length, including couplings and nipple, is 23 inches.

Where additional drop is required, $\frac{3}{8}$-inch iron pipe should be used attached to ceiling outlet, and fitted at lower end with $\frac{3}{8}$ by $\frac{1}{8}$ pillar cock.

Pillar cock is not included in prices.

PRICES:

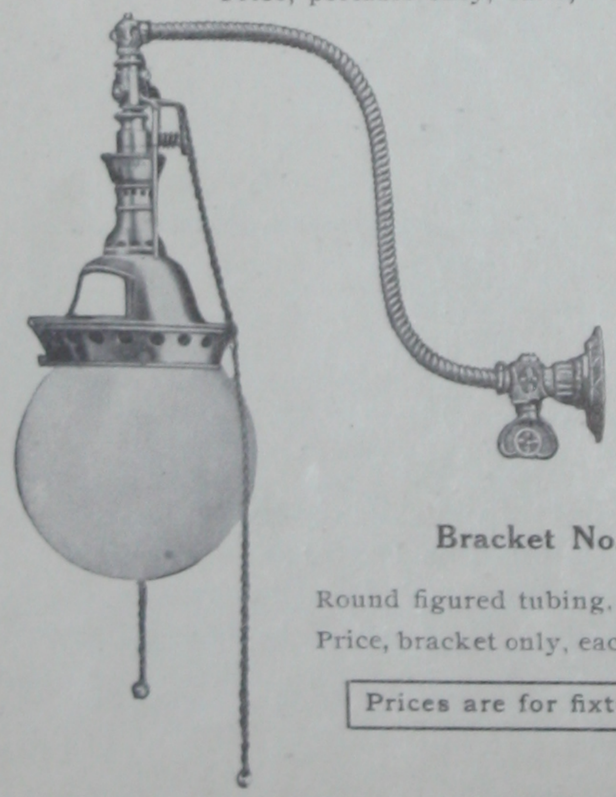
Flexible metal tubing, per foot. . . . . **$0.25**

Couplings and nipple fitted to tubing, per set, . . . **$0.45**

**Bracket No. 12**

Square tubing, brushed brass finish.

Price, bracket only, each, . . . . . **$0.90**



**Bracket No. 11**

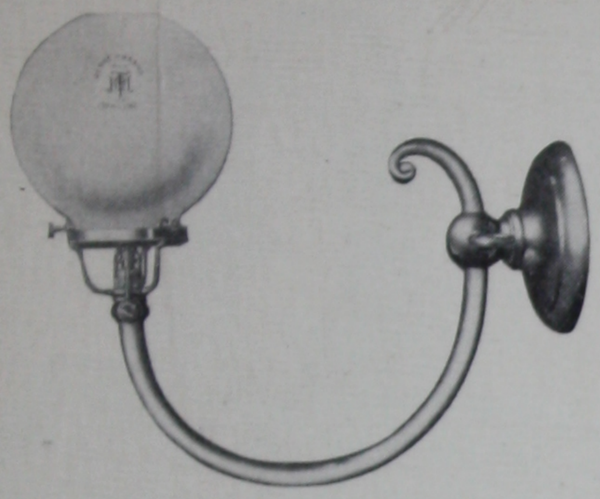
Round figured tubing, dipped finish.

Price, bracket only, each, . . . **$0.60**

**Prices are for fixtures only and do not include burners, by-passes, mantles nor tubing.**

# SELF-LIGHTING BRACKETS

All the brackets shown on this page are equipped with pilot gas-ways concealed in the bracket arms. By simply turning the gas cock the light is turned off or on without the use of a match or the necessity of pulling a chain.



**No. M 3110**

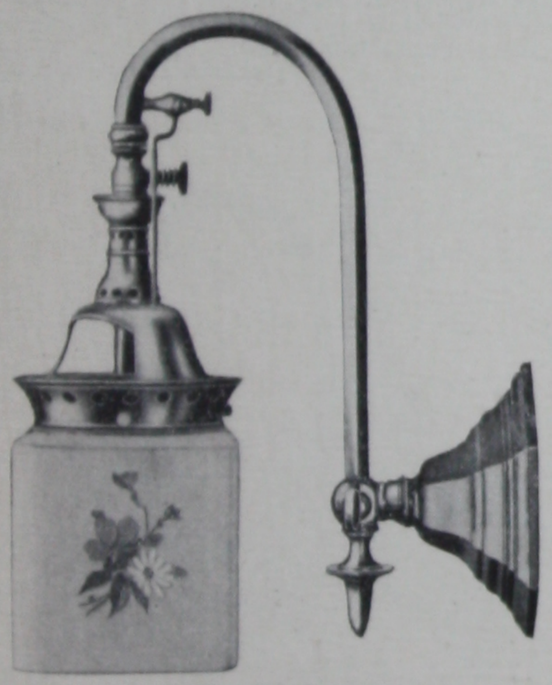
Extends 7½ inches.

Self-lighting bracket for the Welsbach Junior and other upright lights. Turned cock, round tubing and wall plate, finely finished in brushed brass.
List price, bracket only, each, . . . . . **$4.00**

**No. M 3109**

Extends 7½ inches.

Self-lighting bracket for Reflex Lamp. Turned cock, round tubing and wall plate, finely finished in brushed brass.
List price, bracket only, each, . . . . . **$4.00**



**No. V 689**

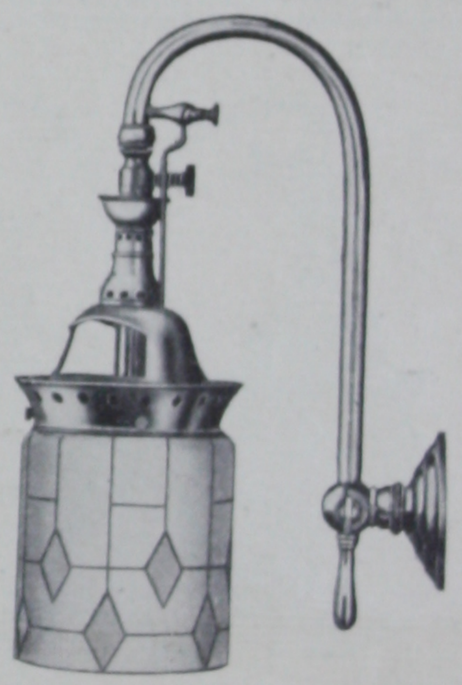
Extends 8 inches.

Turned cock, hexagon tubing and wall plate, cast ornament, finely finished in brushed brass.
List price, bracket only, each, . . . . . **$5.00**

**No. V 688**

Extends 7½ inches.

Turned cock, round tubing and wall plate, cast ornament, finely finished in brushed brass.
List price, bracket only, each, . . . . . **$4.60**



**No. V 473**

Extends 4½ inches.

Turned cock, round tubing and wall plate, cast ornament, finely finished in brushed brass.
List price, bracket only, each, . . . . . **$4.00**

Supplied in special finishes at an advance of 10 per cent. over net prices.

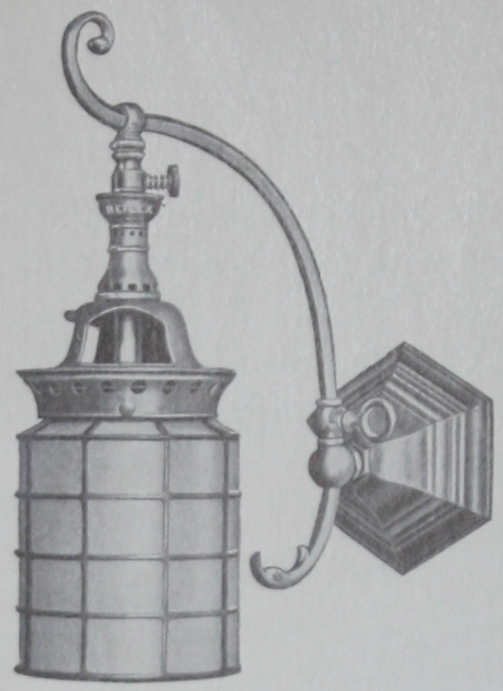
# BRACKETS FOR "REFLEX" LIGHTS

**No. V 9877**

Extends 9 inches.

Turned cock, diamond tubing, round wall plate, cast ornaments, brushed brass finish.

List price, bracket only, each, . . . . . **$3.20**

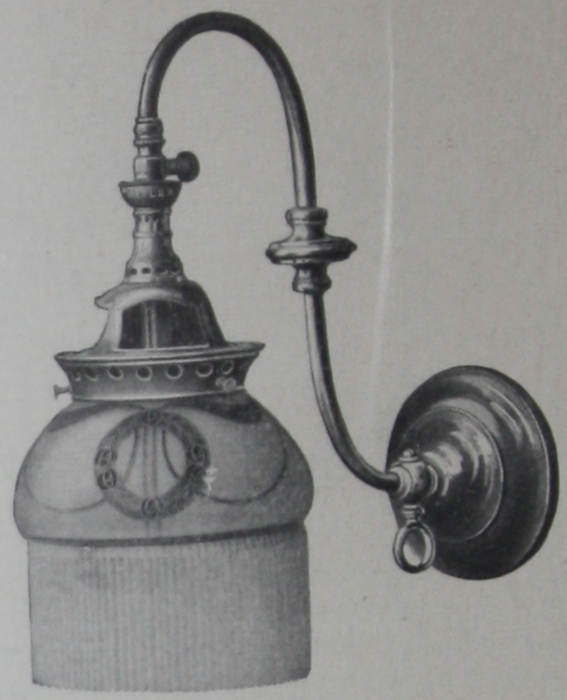


**No. 2**

Extends 7 inches.

Turned cock and fittings, cast-brass ornaments, hexagon tubing and wall plate, finely finished in brushed brass.

List price, bracket only, each. . . . . **$3.00**

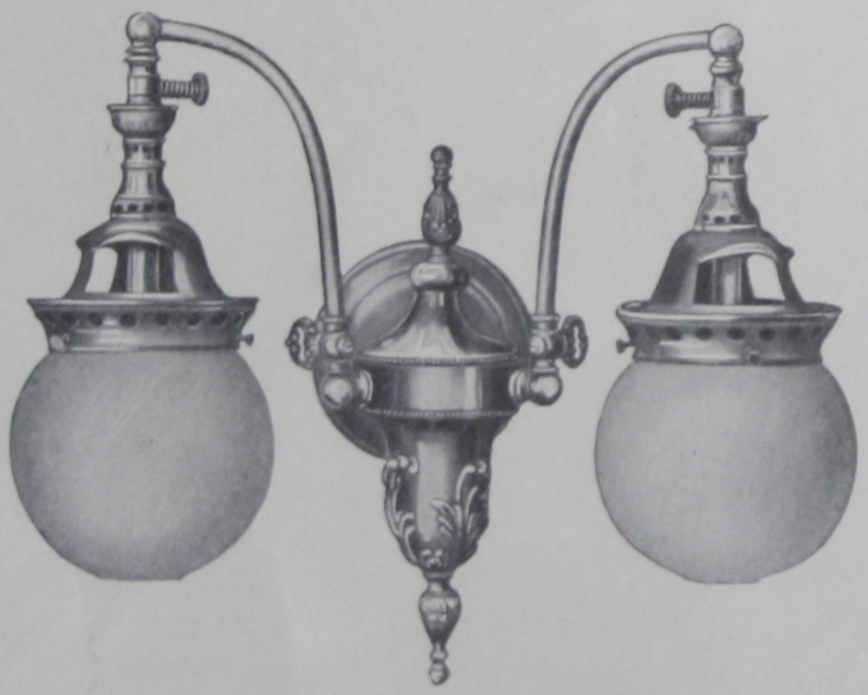


**No. 8**

Extends 8½ inches.

Turned cock and fittings, round tubing and wall plate Finely finished in brushed brass.

List price, bracket only, each, . . . . . **$2.60**



**No. 14.** 2-LIGHT

Spread, 10 inches; extends 10½ inches.

Round tubing and wall plate, cast ornaments, turned cocks, brushed brass and black finish.

List price, bracket only, each . . . . . **$4.50**

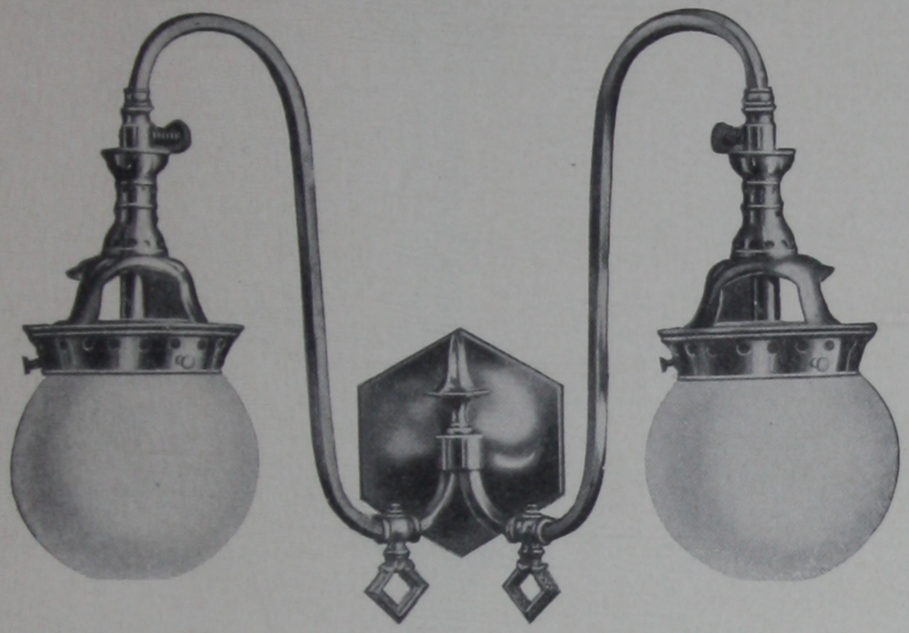
**No. 15.** 2-LIGHT

Spread, 11½ inches; extends 8 inches.

Round tubing and wall plate, cast ornaments, turned cocks, brushed brass finish

List price, bracket only, each, . . . . . **$2.70**

# BRACKETS FOR "REFLEX" LIGHTS



**No. V 1228.** 2-LIGHT

Spread, 10 inches; extends 8 inches.

Diamond tubing and wall plate, turned ornaments and cocks, brushed brass.

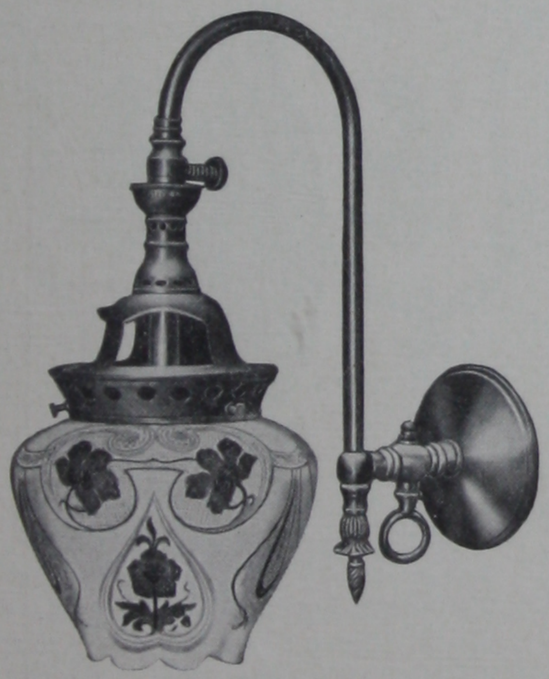
List price, bracket only, each, . . . . . **$4.50**

**No. V 8323**

Extends 8 inches.

Turned cock and fittings, cast-brass ornaments, round tubing and wall plate. Finely finished in brushed brass.

List price, bracket only, each, . . . . . **$2.40**



**No. V 8321**

Extends 5 inches.

Turned cock and fittings, cast-brass ornaments, round tubing and wall plate. Finely finished in brushed brass.

List price, bracket only, each, . . . . . **$2.20**

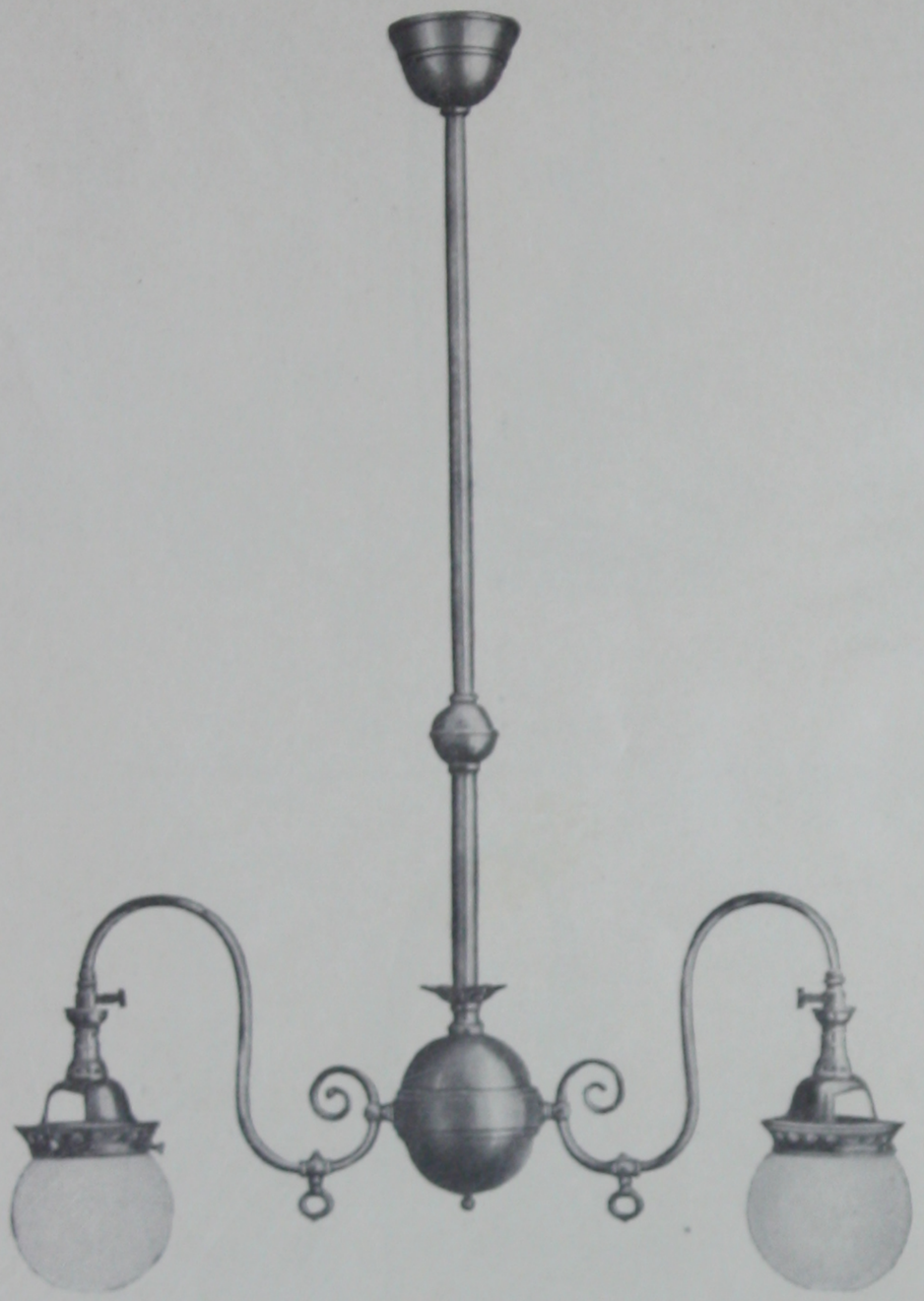
**No. 13**

Extends 8 inches.

Round tubing, turned cock, cast-brass ornaments, brushed brass.

List price, bracket only, each, . . . . . **$1.40**

# CHANDELIERS FOR "REFLEX" LIGHTS



## No. 23

Round tubing, arms and shells.
Drop, 36 inches; spread, 22 inches.
Turned cocks and fittings; cast ornaments. Finish: brushed brass.

Price, 2-light, each, . . . . . $4.50
" 3-light, " . . . . . 6.00

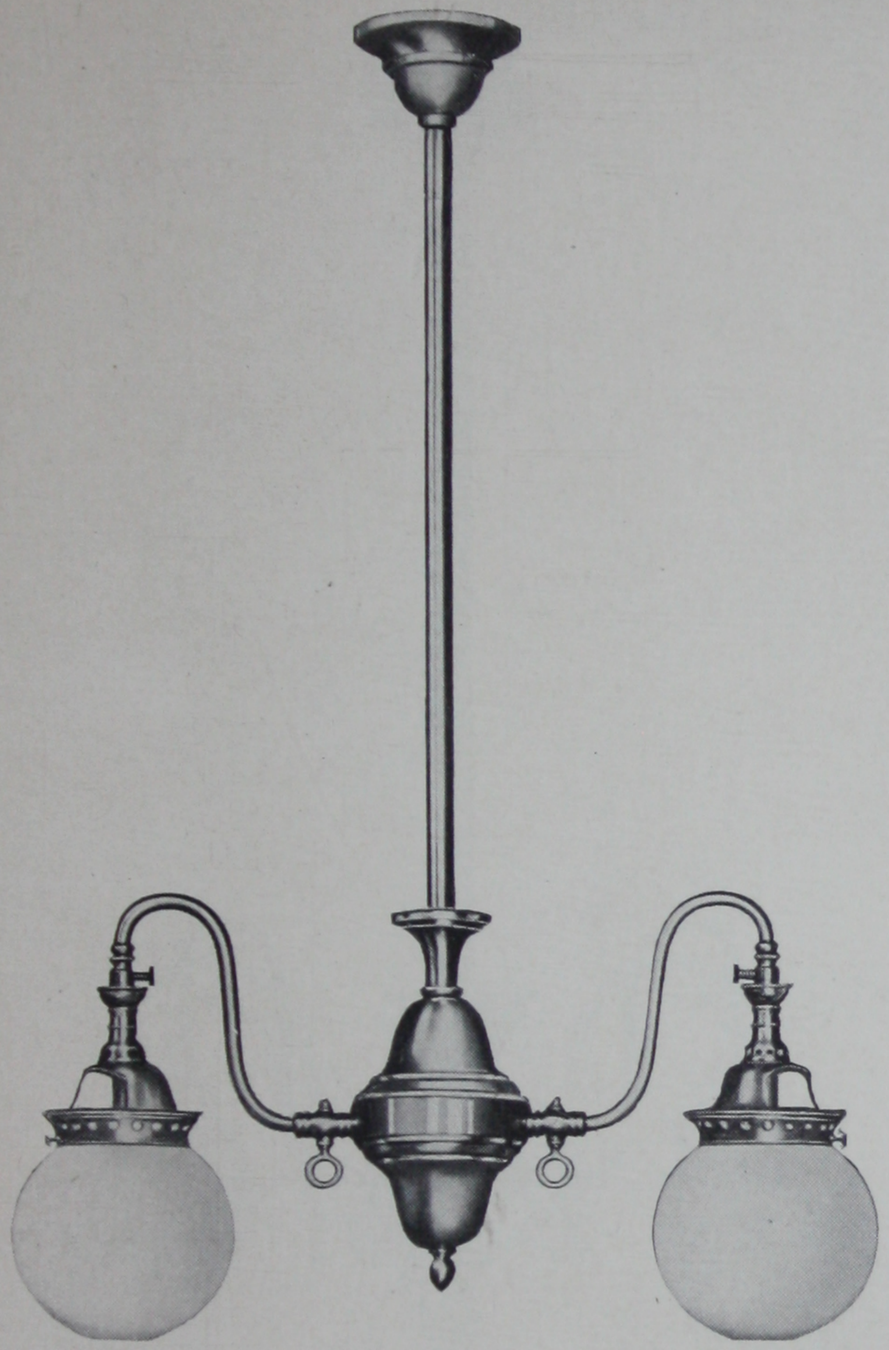
## No. 21

Round tubing, arms and shells.
Drop, 36 inches; spread, 20 inches.
Turned cocks and fittings; cast ornaments. Finish: brushed brass.

Price, 2-light, each, . . . . . $4.00
" 3-light, " . . . . . 5.50

Prices are for fixtures only and do not include "Reflex" Lights.

# CHANDELIERS FOR "REFLEX" LIGHTS

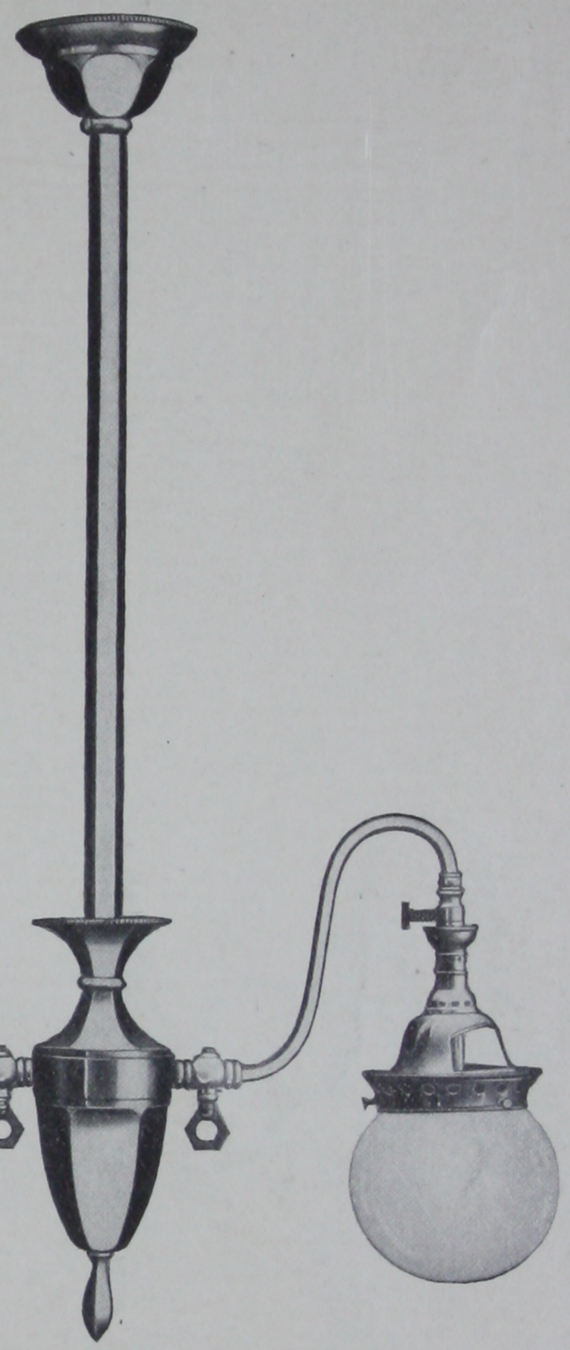


## No. V 8714

Round tubing, arms and shells.
Drop, 36 inches; spread, 18 inches.

Turned cocks and fittings; heavy shells and tubing. Finely finished in brushed brass.

Price, 2-light, each, . . . . . **$7.00**
" 3-light, " . . . . . **9.00**
" 4-light, " . . . . . **11.00**



## No. V 8709

Round tubing, hexagon arms and shells.
Drop, 36 inches; spread, 16 inches.

Turned cocks and fittings, heavy shells and tubing. Finely finished in brushed brass.

Price, 2-light, each, . . . . . **$7.50**
" 3-light, " . . . . . **9.50**

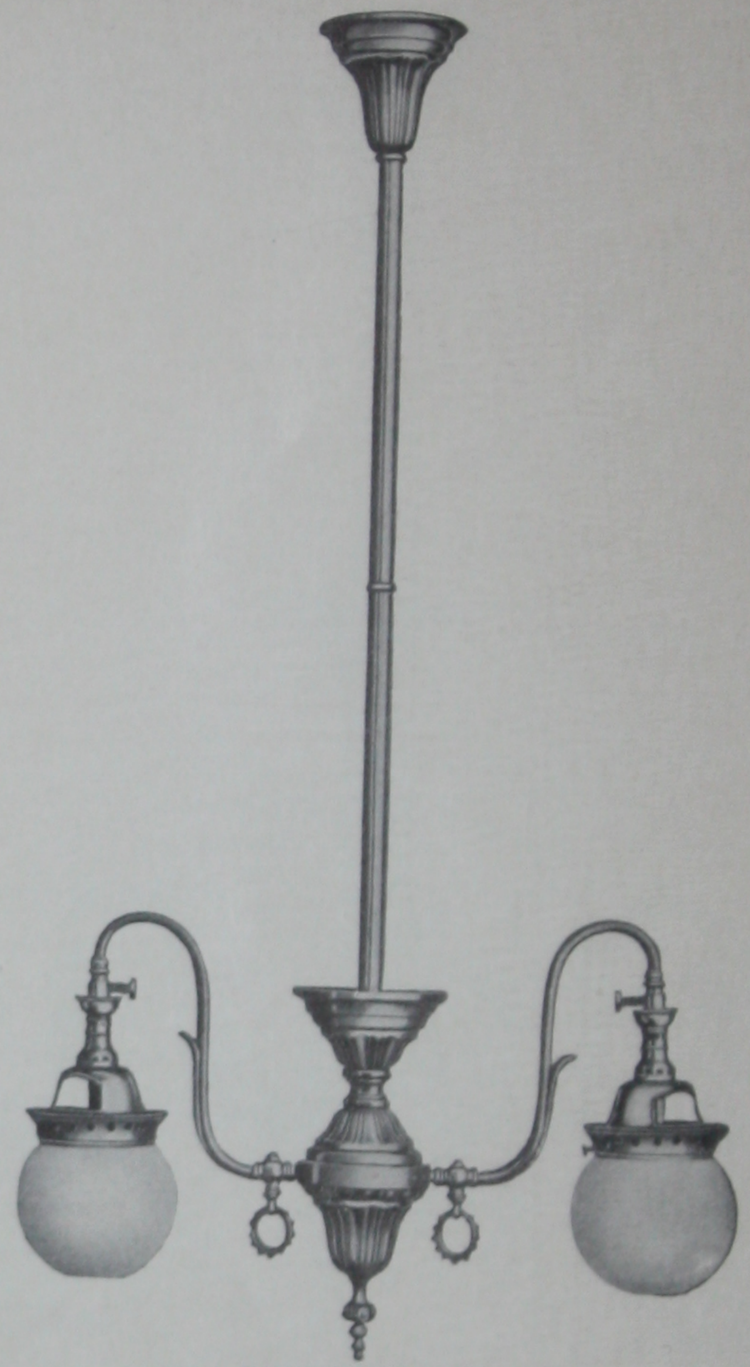
Prices are for fixtures only and do not include "Reflex" Lights.

# CHANDELIERS FOR "REFLEX" LIGHTS

## No. 1

Hexagon tubing and shells.
Drop, 36 inches; spread, 20 inches.
Cocks and fittings turned from solid brass; ornaments, cast brass; shells and tubing extra heavy in weight. Finely finished in brushed brass.

Price, 2-light, each, . . . . . **$9.50**
" 3-light, " . . . . . **13.00**



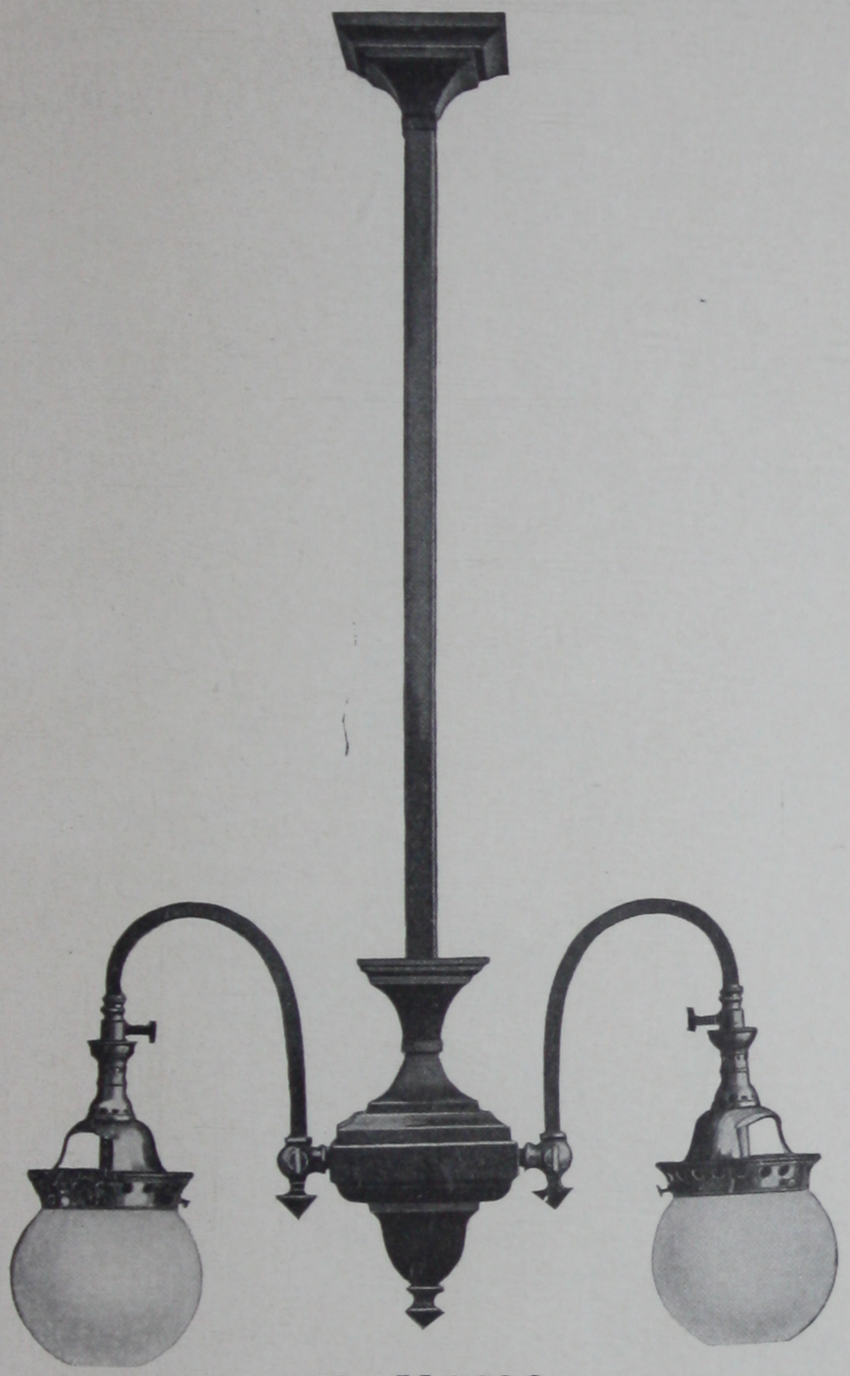
## No. V 10182

Round tubing, fluted shells and canopy, round arms.
Drop, 43 inches; spread, 16 inches.
Cocks and fittings all turned from solid brass; ornaments, cast brass; shells and tubing extra heavy in weight. Finely finished in brushed brass.

Price, 2-light, each, . . . . . **$9.00**
" 3-light, " . . . . . **10.75**
" 4-light, " . . . . . **12.50**

Prices are for fixtures only and do not include "Reflex" Lights.

# CHANDELIERS FOR "REFLEX" LIGHTS

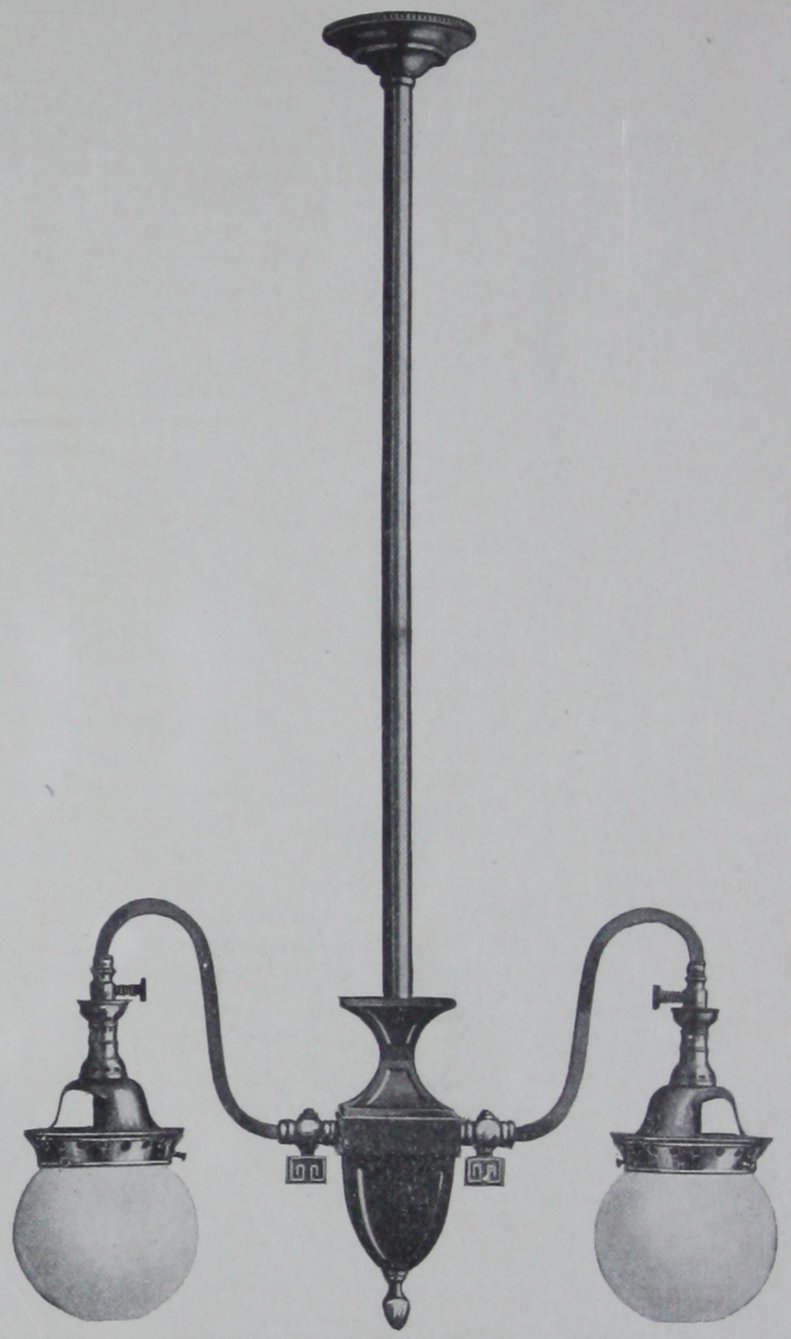


## No. V 8696

Square tubing and shells.
Drop, 36 inches; spread, 16 inches.

Cocks and fittings are all turned from solid brass; ornaments, cast brass; shells and tubing extra heavy in weight. Finely finished in brushed brass.

Price, 2-light, each, . . . . . **$14.50**
" 4-light, " . . . . . **20.00**



## No. V 8710

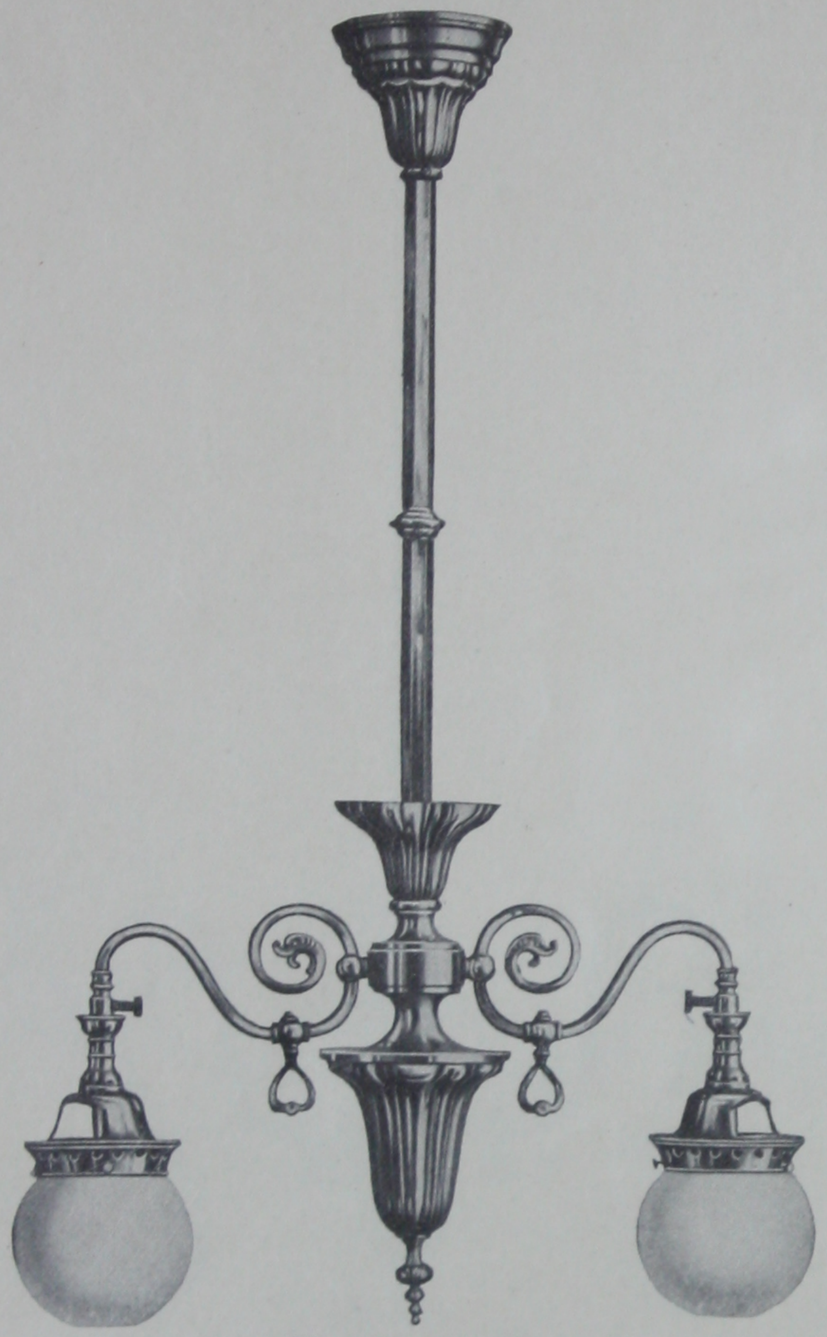
Round tubing, square arms and shells.
Drop, 36 inches; spread, 16 inches.

Turned cocks and fittings, heavy shells and tubing. Finely finished in brushed brass.

Price, 2-light, each, . . . . . **$7.50**
" 4-light, " . . . . . **12.00**

**Prices are for fixtures only and do not include "Reflex" Lights.**

# CHANDELIERS FOR "REFLEX" LIGHTS

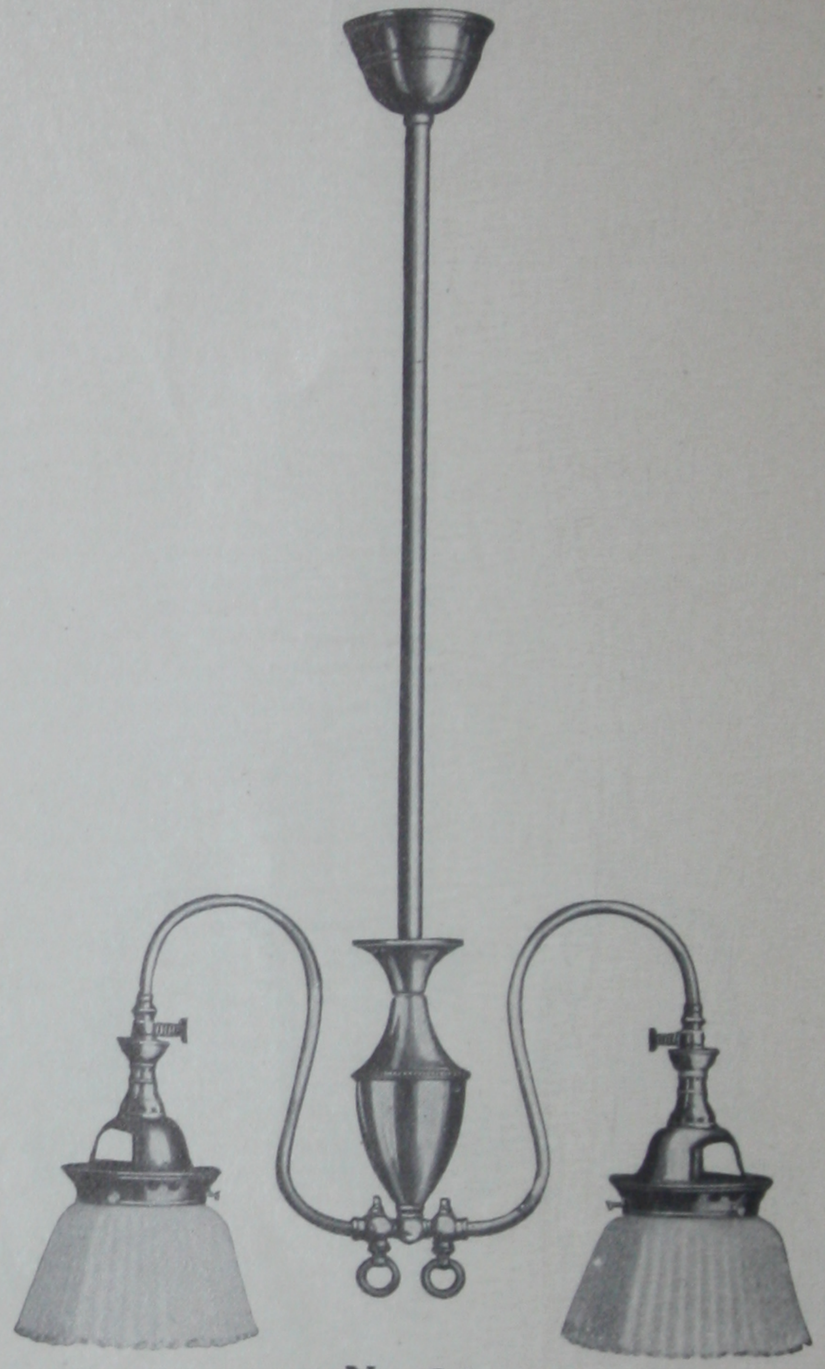


## No. V 10173

Drop, 36 inches; spread 16 inches.

Cocks and fittings turned from solid brass; ornaments, cast brass. Hexagon stem; round arms; fluted shells and canopy. Finish: brushed brass and black.

Price, 2-light, each, . . . . . **$13.50**
" 3-light, " . . . . . **15.50**



## No. 24

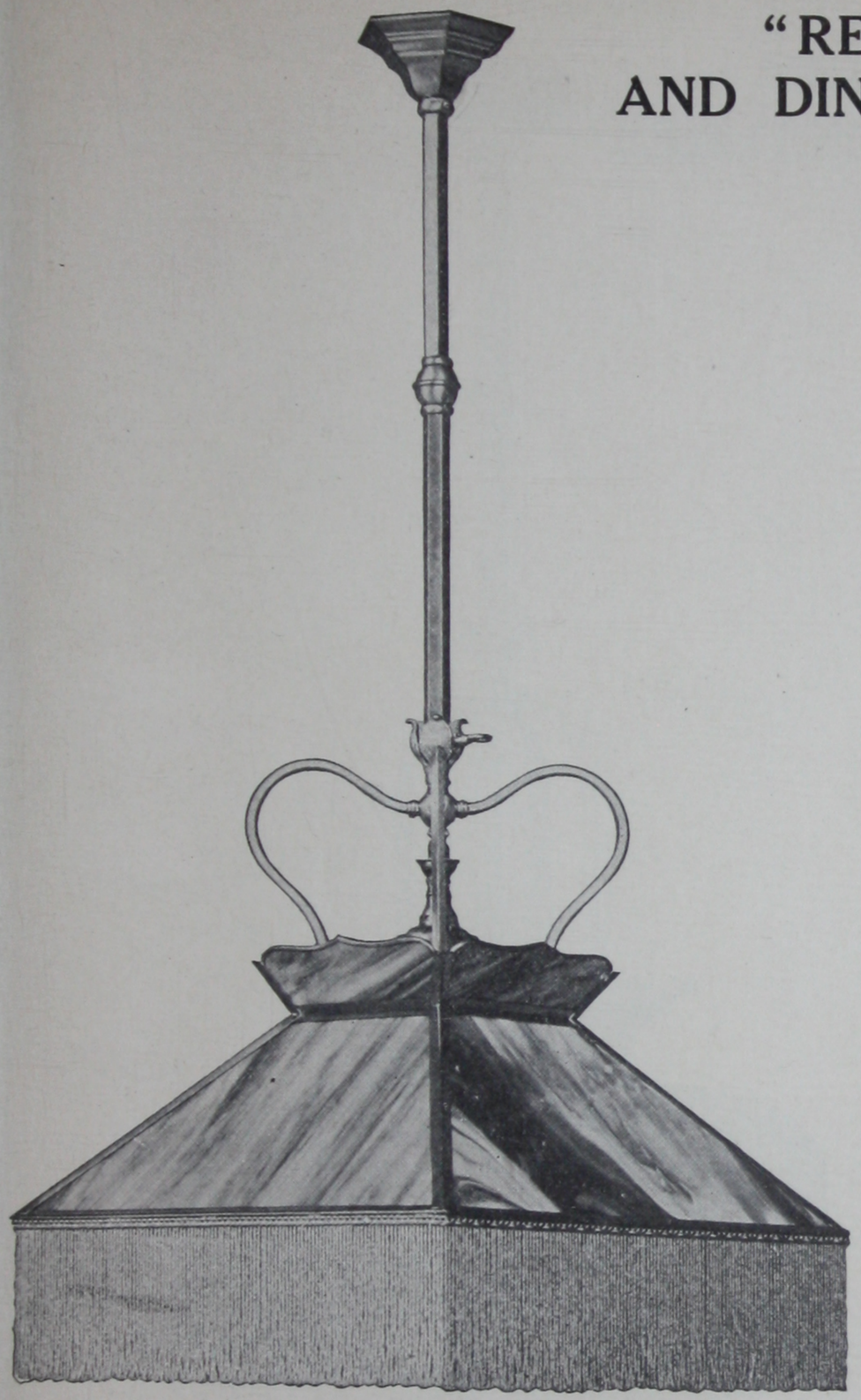
Drop, 36 inches; spread, 14¾ inches.

Round tubing and shells; turned cocks and fittings; spun shells. Finish: brushed brass.

Price, 2-light, each, . . . . . **$2.20**
" 3-light, " . . . . . **3.00**

Prices are for fixtures only and do not include "Reflex" Lights.

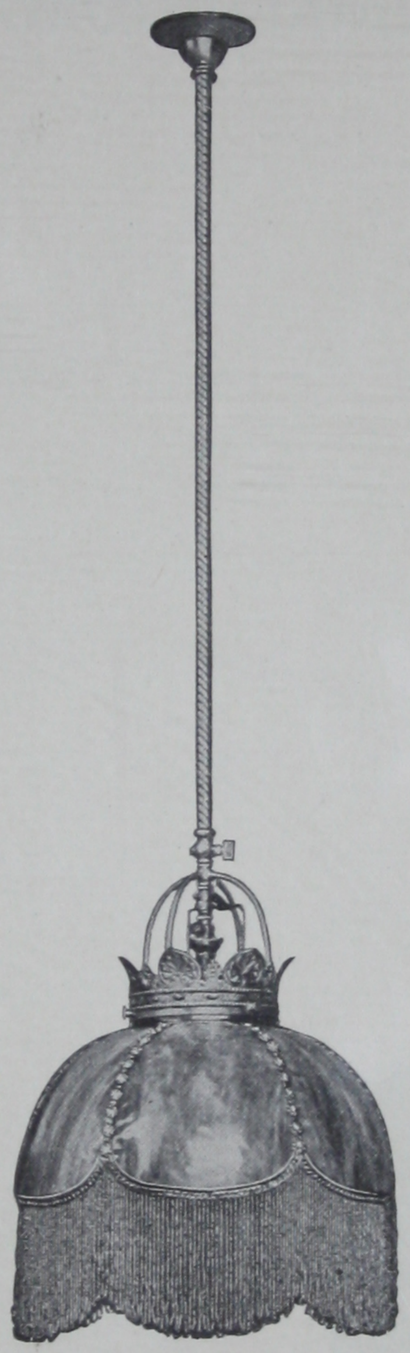
# "REFLEX" LIBRARY AND DINING-ROOM FIXTURES



**No. 100**

Total length, including shade and fringe, 43 inches. Diameter of shade, 20 inches. Four panels, either green or amber-opal art glass; 5-inch fringe to match. Finish: brushed brass.

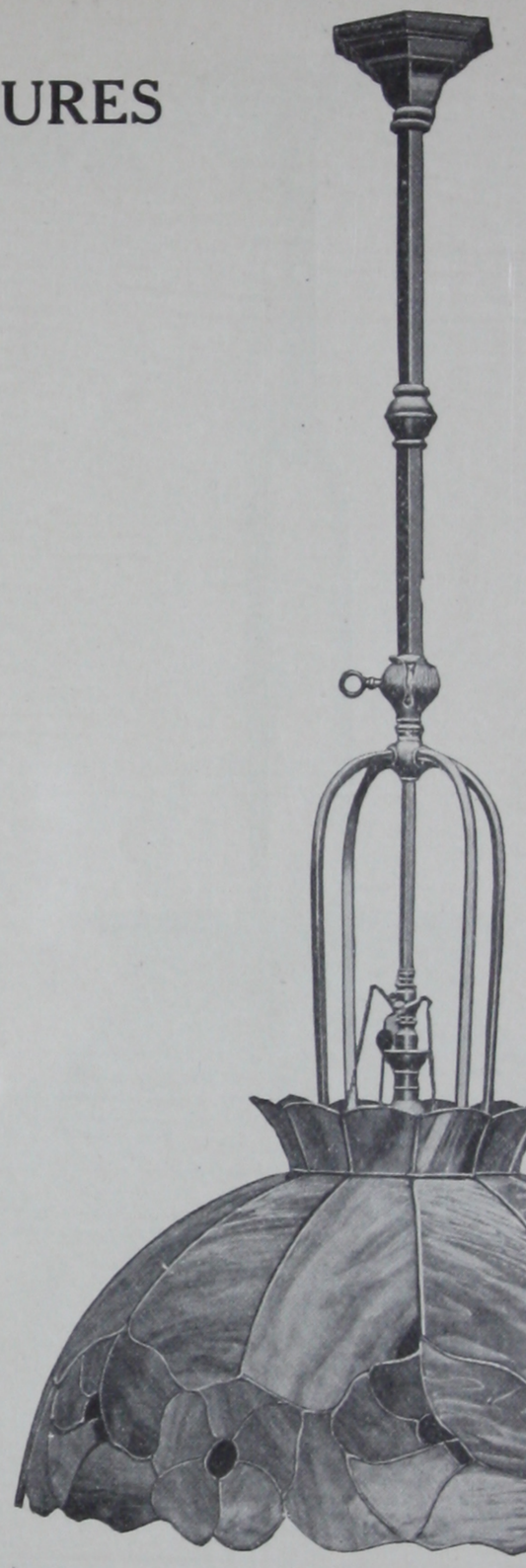
Price, including No. 713 "Reflex" lamp and No. 6 By-pass, each, . . . . . **$18.00**
Shade and fringe only, each, . . . . . **10.00**
If not otherwise stated, green shade will be shipped.



**No. 106**

Total length, including shade and fringe, 40 inches. Diameter of shade, 14 inches. Six panels, green, amber or ruby-green art glass; 5-inch fringe to match. Finish: brushed brass.

Price, including No. 713 "Reflex" lamp and No. 6 By-pass, each, . . . . . **$9.00**
Shade and fringe only, each, . . . . **4.50**
If not otherwise stated, green shade will be shipped.

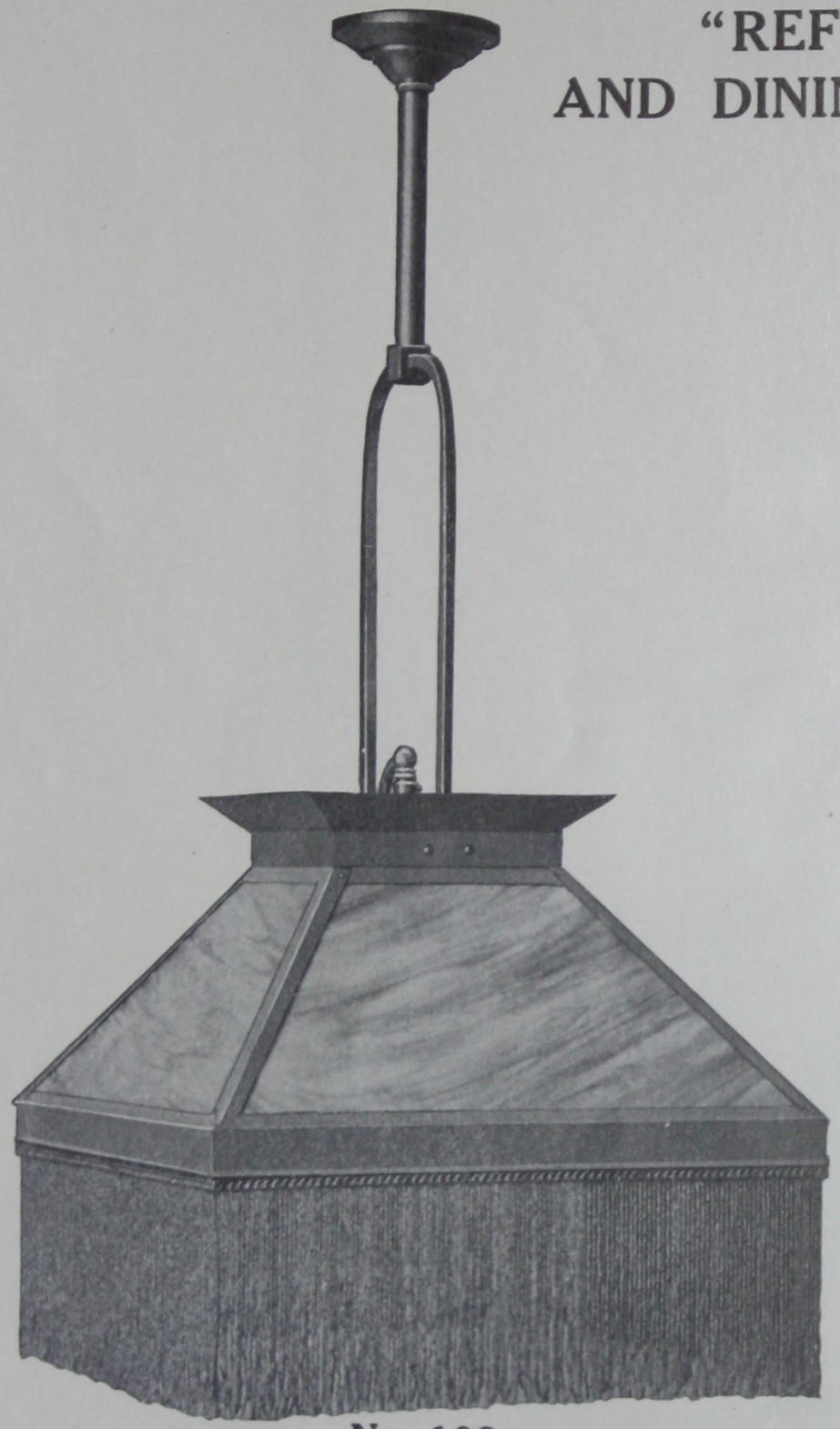


**No. 154**

Total length, including shade, 40 inches. Diameter of shade, 22 inches. Leaded art glass, conventional flower design in pink, green and ruby, on amber ground. Finish: brushed brass.

Price, including No. 713 "Reflex" lamp and No. 6 By-pass, . . . . . **$30.00**
Shade only, each, . . . . . **20.00**

# "REFLEX" LIBRARY AND DINING-ROOM FIXTURES

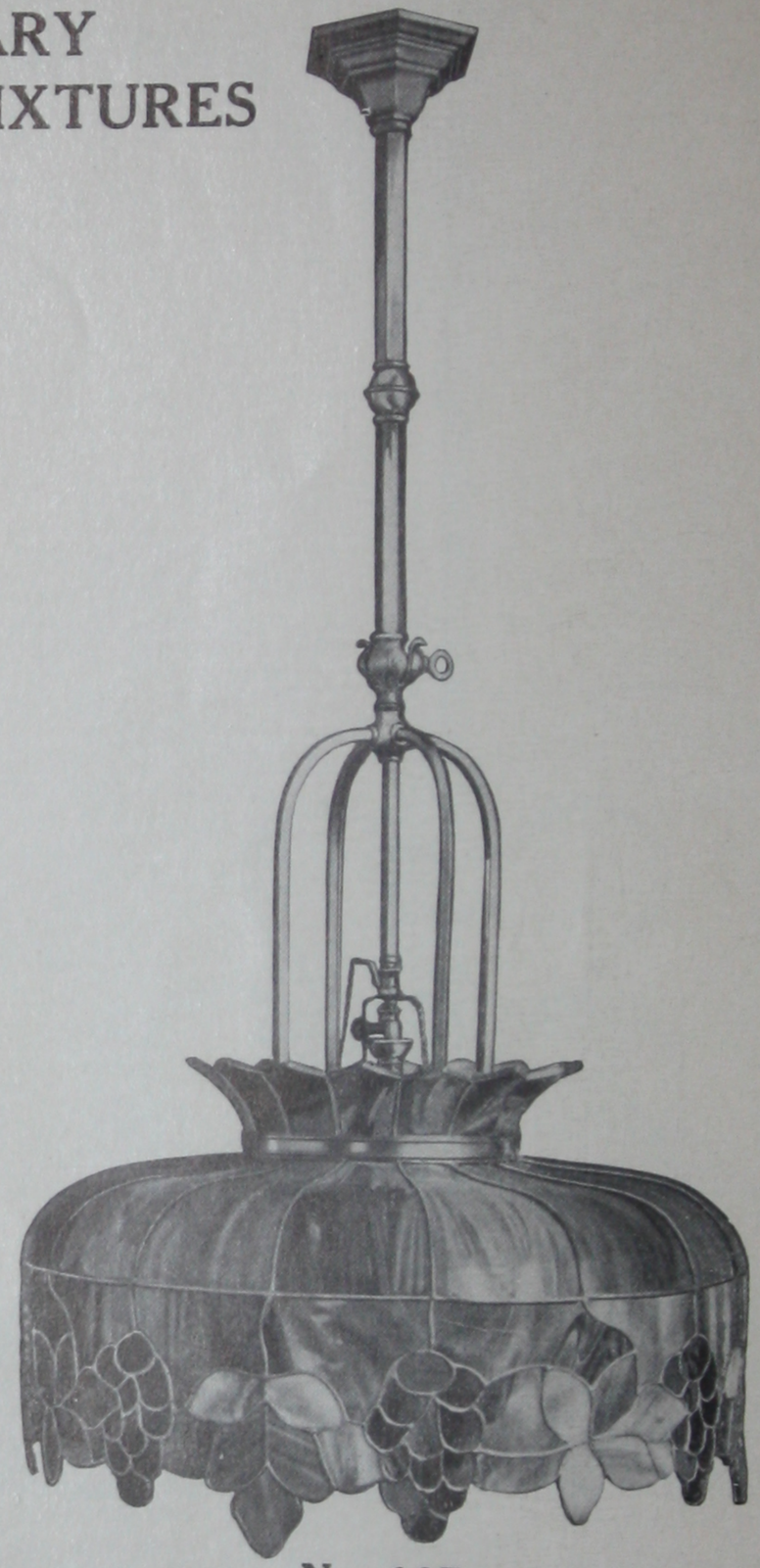


**No. 108**

Total length, including shade and fringe, 41 inches; width of shade, 18 inches. Supplied in green or amber-opal art glass. Finish: brushed brass.

Price, including No. 713 "Reflex" Light and No. 6 By-pass, . . . **$22.00**

If not otherwise stated green shade will be shipped.



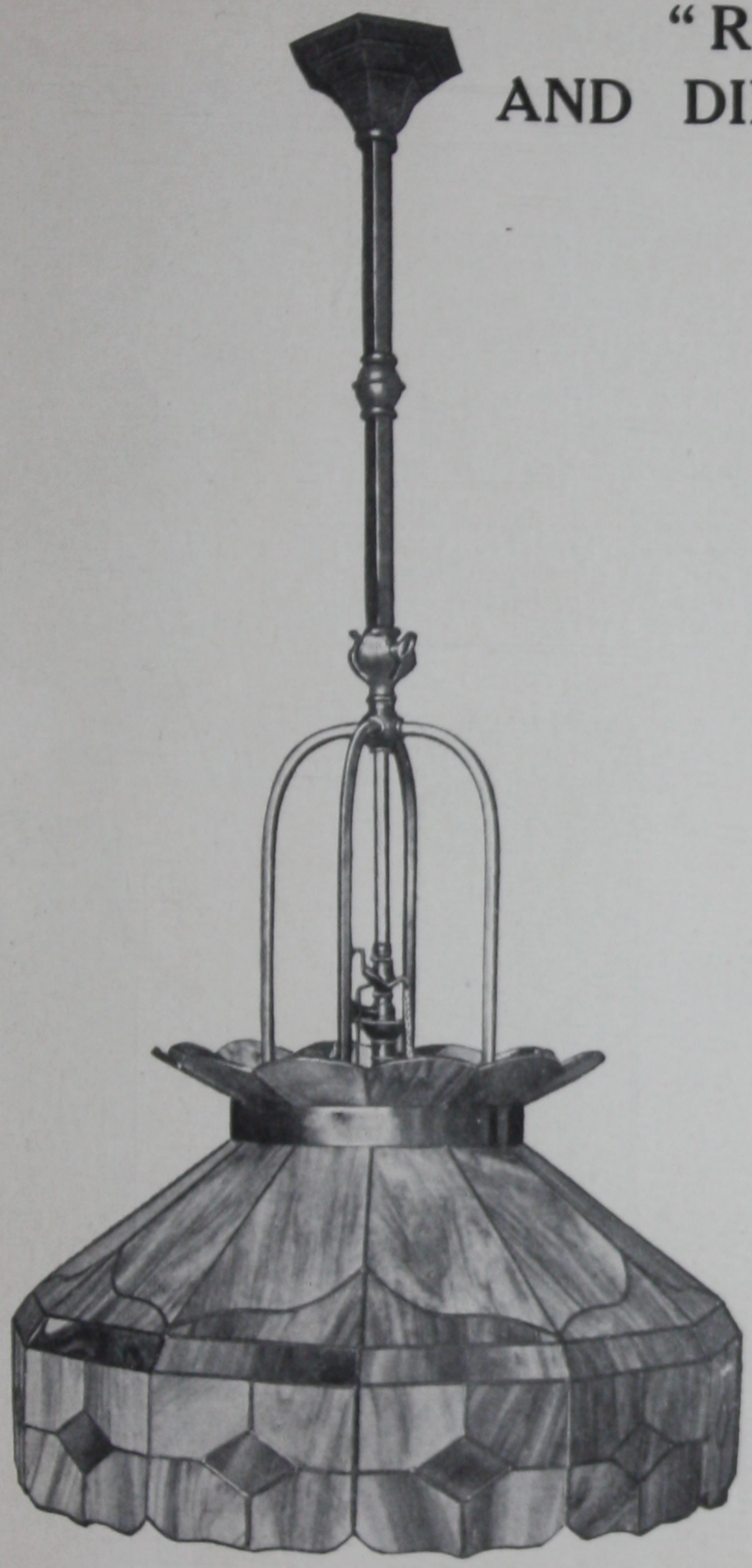
**No. 107**

Total length, including shade, 42 inches; diameter of shade, 20 inches. Amber-opal art glass, with border worked in green and ruby. Finish: brushed brass.

Price, including No. 713 "Reflex" Light and No. 6 By-pass, . . . **$40.00**

" shade only, each, . . . . . **30.00**

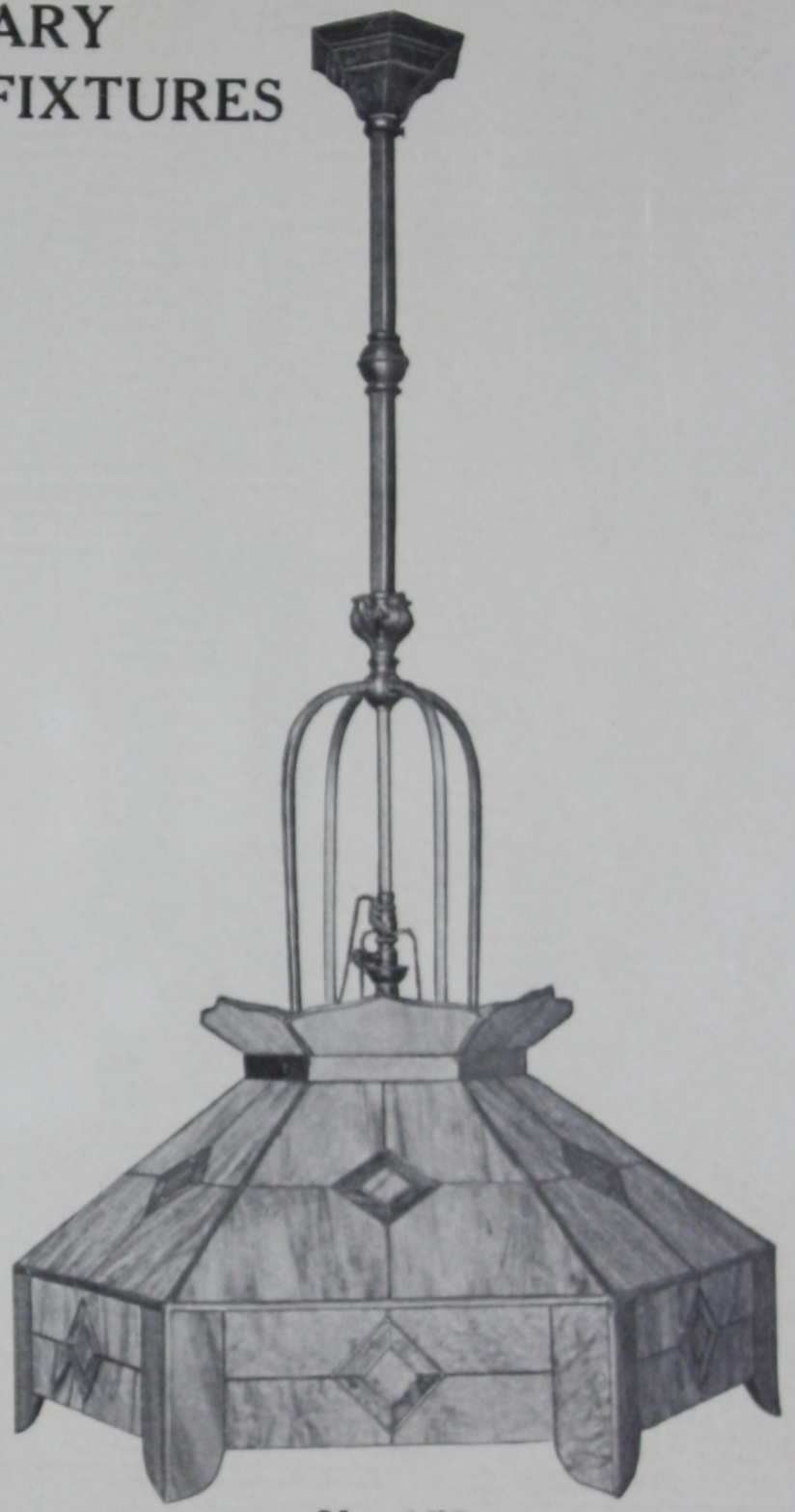
# "REFLEX" LIBRARY AND DINING-ROOM FIXTURES



## No. 153

Total length, including shade, 40 inches. Diameter of shade, 20 inches; 12-sided, in pink, green and amber, with brass band at top of shade. Finish: brushed brass.

Price, including No. 713 "Reflex" Light and No. 6 By-pass, . . . **$28.00**
" shade only, each, . . . . . **18.00**



## No. 152

Total length, including shade, 43 inches. Diameter of shade, 20 inches; hexagon, amber art glass, green and ruby diamonds, green corners. Finish: brushed brass.

Price, including No. 713 "Reflex" Light and No. 6 By-pass, . . . **$28.00**
" shade only, each, . . . . . **18.00**

# IMPORTED AIR-HOLE GLASSWARE

**Packages charged at Manufacturer's Schedule**

## F. Q. M.

**"Finest Quality Made"**

The problem of making glassware to withstand the intense heat of an incandescent mantle is one that has required years of study and experiment on the part of the manufacturers.

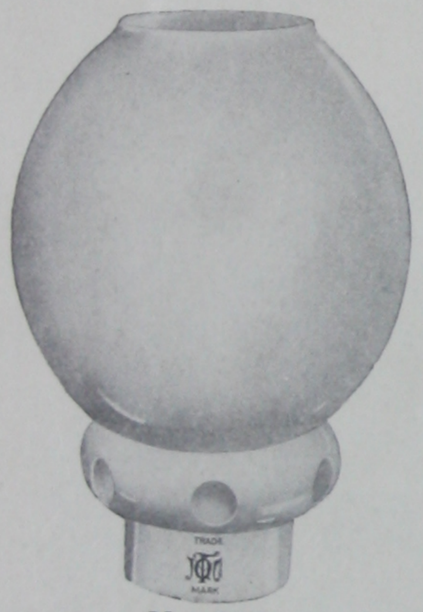
After investigation, the Welsbach Company has established exclusive relations with one of the largest and most skillful manufacturers of high-grade, heat-resisting glasses in Austria, and imported a line of glassware under the brand "F. Q. M."

The quality and workmanship of this brand of glass have never been excelled, and numerous photometric tests have been made, giving it the preferred position in the very important points of uniformity in structure and high diffusive power—thus proving it in every way the "*Finest Quality Made.*"

**The glassware illustrated on this page will be repacked in cases containing six dozen pieces at the original package price, an extra charge of 50 cents net being made for the package. When taken in original packages, no charge for package.**

**No. 0567**
White Acid-etched Air Hole.
Height, 5½ inches.
Package contains 16 dozen.
Price, per dozen:
Original package, . . . . . $6.00
Broken " . . . . . 6.80

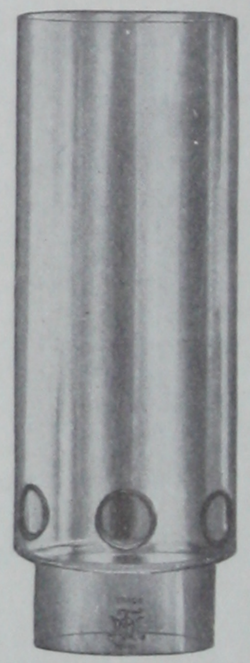
**No. 0566**
White Acid-etched Air Hole.
Height, 5½ inches.
Package contains 16 dozen.
Price, per dozen:
Original package, . . . . $6.00
Broken " . . . . 6.80



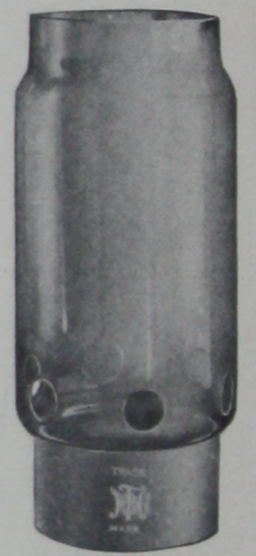
**No. 302**
F. Q. M. BRAND
STYLE "Q"
Height, 6 inches.
Package contains 16 dozen.
Price, per dozen:
Opal glass:
Original package, . . . . $2.60
Broken " . . . . 3.10
Clear glass:
Original package, . . . . $2.40
Broken " . . . . 2.90

**No. 305**
F. Q. M. BRAND
STYLE "UNIVERSAL"
Height, 9¾ inches.
Package contains 25 dozen.
Price, per dozen:
Clear glass:
Original package, . $2.30
Broken " . 2.80
Opal glass:
Original package, . $3.00
Broken " . 3.50

**No. 304**
F. Q. M. BRAND
STYLE "195"
Height, 8 inches.
Package contains 30 dozen.
Price, per dozen:
Clear glass:
Original package, . $1.80
Broken " . 2.30



**No. 306**
F. Q. M. BRAND
STYLE "198"
Height, 7 inches.
Package contains 30 dozen.
Price, per dozen:
Clear glass:
Original package, . $1.60
Broken " . 2.10
Opal glass:
Original package, . $2.30
Broken " . 2.80



**No. 310**
F. Q. M. BRAND
STYLE "FI"
Height, 5¼ inches.
Package contains 30 dozen.
Price, per dozen:
Clear glass:
Original package, . . . . $1.50
Broken " . . . . 2.00
Package contains 25 dozen.
Price, per dozen:
Opal glass:
Original package, . . . . $2.20
Broken " . . . . 2.70

# GLOBES FOR WELSBACH BURNERS

**Packages charged at Manufacturer's Schedule**

**No. 1**

For 2⅜-inch fitter.
Etched and Cut Top.
Package contains 3 dozen.
PRICES:

| | |
|---|---|
| Crystal, dozen, | **$8.00** |
| " each, | **.75** |

**No. 6**

For 2⅜-inch fitter.
Etched and Cut Top.
Package contains 3 dozen.
PRICES:

| | |
|---|---|
| Crystal, dozen, | **$8.00** |
| " each, | **.75** |
| Aurora, dozen, | **12.00** |
| " each, | **1.15** |

**No. 309**

For 2-inch fitter.
Etched Air Hole
Package contains 16 dozen.

| | |
|---|---|
| Price, original package, per dozen, | **$6.00** |
| Price, per dozen, | **6.80** |

**No. 0699**

For 2-inch fitter.
French Roughed and Etched inside.
Package contains 3 dozen.

| | |
|---|---|
| Price, per dozen, | **$7.00** |
| " each, | **.75** |

**No. 173**

For 2¼-inch fitter.
Diameter, 4½ inches.
Verre Krasna Opaline.
Package contains 6 dozen.

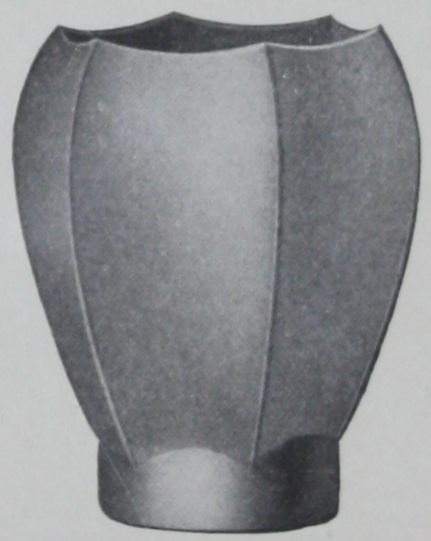
| | |
|---|---|
| Price, original package, per dozen, | **$2.10** |
| Price, per dozen, | **2.60** |

If taken in import case of 20 dozen, no charge will be made for package.

**No. 0689**

For 2-inch fitter.
Crystal Bird's-eye Etching.
Package contains 3 dozen.

| | |
|---|---|
| Price, per dozen, | **$7.50** |
| " each, | **.75** |



**No. 0458.** For 2⅜-inch fitter.
Crystal French Roughed.
Package contains 6 dozen.

| | |
|---|---|
| Price, original package, per dozen, | **$4.50** |
| Price, per dozen, | **5.00** |

**No. 0458.** For 2-inch fitter.
Price, per dozen:

| | |
|---|---|
| Original package of 6 dozen, | **$4.50** |
| Broken " | **5.00** |

**No. 436**

For 3-inch fitter.
Diameter of globe, 6 inches.
Package contains 2 dozen.

| | |
|---|---|
| Price, opal, original package, per dozen, | **$2.00** |
| Price, opal, broken package, per dozen, | **3.00** |

# CHIMNEYS, CYLINDERS AND GLOBES

Packages charged at Manufacturer's Schedule

No. 42

No. 23

No. 52

## No. 42. Imported 8-inch Standard Gas Chimney F. Q. M. Brand

Guaranteed finest quality made.

| | |
|---|---|
| Price, original package, 30 dozen, per dozen, | $1.50 |
| " " " 6 or 12 dozen, per dozen, | 1.60 |
| " broken " per dozen, | 1.90 |

| | | No. Doz. In Pkgs. | Orig. Pkgs. Per Doz. | Bkn. Pkgs. Per Doz. |
|---|---|---|---|---|
| No. 23. | 8-inch Welsbach Brand Chimney, | 6 or 12, | $1.10 | $1.40 |
| No. 21. | 7-inch Welsbach Brand Chimney, | 6 or 12, | 1.05 | 1.35 |
| No. 19. | 6-inch Welsbach Brand Chimney, | 6 or 12, | 1.00 | 1.30 |
| No. 52. | 8-inch Diamond-Gold Brand Chimney, | 6 or 12, | .80 | .95 |
| No. 52. | 8-inch Diamond-Gold Brand Chimney in import cases of 72 dozen, | | .70 | |

**No. 6721**

Height, 7¼ inches.

Package contains 6 dozen.

The above cylinder is furnished in lead glass under brand "Welsbach."

| | |
|---|---|
| Price, original packages, per dozen, | $1.30 |
| " broken " " | 1.70 |

**No. 82**

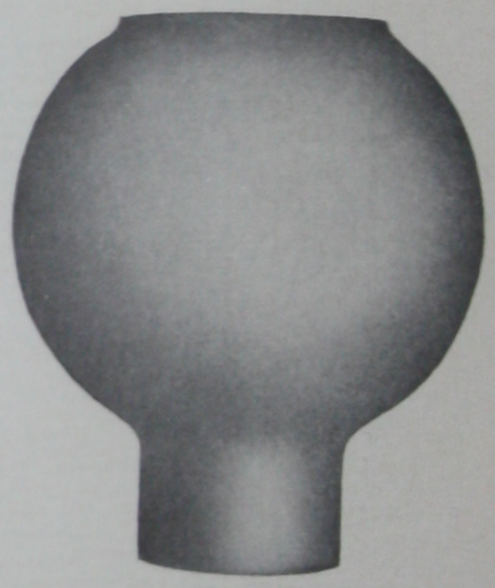
Height, 5¼ inches.

For 2-inch fitter. Package contains 6 dozen.

Prices, on either No. 82 or No. 66 Globes:

**Opal or acid-roughed top and bottom**

| | |
|---|---|
| Original packages, per dozen, | $1.05 |
| Broken " " | 1.35 |



**No. 66**

Height, 5½ inches.

**All acid-roughed, or one end roughed**

| | |
|---|---|
| Original packages, per dozen, | $1.00 |
| Broken " " | 1.30 |

# GAS GLOBES—4-INCH FITTERS

**For use with No. 16 and No. 30 Globe Rings on all Welsbach Burners. Packages charged at Manufacturer's Schedule**

**No. 0326 B**

PRESSED GLASS

Height, 4⅛ inches; diameter, 7¼ inches.
Package contains 4 dozen.
Price, per dozen:

Original package, . . . . . **$2.00**
Broken " . . . . . **2.60**

**No. 1609**

DOUBLE-ETCHED SHEFFIELD PANEL DESIGN

Height, 4½ inches; diameter, 7½ inches.
Package contains 3 dozen.
Price, per dozen:

Original package, . . . . . **$9.40**
Broken " . . . . . **10.60**

**No. 1603**

ACID-ROUGHED EMBOSSED GLASS

Height, 3⅞ inches; diameter, 7⅜ inches.
Package contains 4 dozen.
Price, per dozen:

Original package, . . . . . **$2.40**
Broken " . . . . . **3.00**

# ELECTRIC GLOBES—2¼-INCH FITTERS

**For use with No. 82 Welsbach Socket Burner or Welsbach Junior Burner**

**No. 0326 B**

PRESSED GLASS

Height, 4¼ inches; diameter, 4½ inches.
Package contains 12 dozen.
Price, per dozen:

Original package, . . . . . **$1.30**
Broken " . . . . . **1.60**

**No. 1609**

DOUBLE-ETCHED SHEFFIELD PANEL DESIGN

Height, 4⅝ inches; diameter, 4½ inches.
Package contains 6 dozen.
Price, per dozen:

Original package, . . . . . **$7.40**
Broken " . . . . . **8.00**

**No. 1603**

ACID-ROUGHED EMBOSSED GLASS

Height, 4 inches; diameter, 5 inches.
Package contains 10 dozen.
Price, per dozen:

Original package, . . . . . **$2.00**
Broken " . . . . . **2.40**

# GAS GLOBES—4-INCH FITTERS

**For use with No. 16 and No. 30 Globe Rings on all Welsbach Burners. Packages charged at Manufacturer's Schedule**

**No. 1607**

SINGLE WHITE ETCHED

Height, 4 inches; diameter, 7½ inches.
Package contains 3 dozen.
Price, per dozen:

| | |
|---|---|
| Original package, | **$3.10** |
| Broken " | **3.80** |

**No. 1605**

DOUBLE ETCHED, CYCLAMEN DECORATION

Height, 4⅛ inches; diameter, 7⅜ inches.
Package contains 3 dozen.
Price per dozen:

| | |
|---|---|
| Original package, | **$5.60** |
| Broken " | **6.40** |

**No. 1604**

ETCHED GROUND, CUT STARS AND LINES

Height, 4⅜ inches; diameter, 7½ inches.
Package contains 4 dozen.
Price, per dozen:

| | |
|---|---|
| Original package, | **$3.80** |
| Broken " | **4.50** |

# ELECTRIC GLOBES—2¼-INCH FITTERS

**For use on No. 82 Welsbach Socket Burner or Welsbach Junior Burner**

**No. 1607**

SINGLE WHITE ETCHED

Height, 4⅛ inches; diameter, 4 inches.
Package contains 8 dozen.
Price, per dozen:

| | |
|---|---|
| Original package, | **$2.80** |
| Broken " | **3.20** |

**No. 1605**

DOUBLE ETCHED, CYCLAMEN DECORATION

Height, 4½ inches; diameter, 4¾ inches.
Package contains 8 dozen.
Price, per dozen:

| | |
|---|---|
| Original package, | **$5.00** |
| Broken " | **5.50** |

**No. 1604**

ETCHED GROUND, CUT STARS AND LINES

Height, 4¼ inches; diameter, 4½ inches.
Package contains 10 dozen.
Price, per dozen:

| | |
|---|---|
| Original package, | **$3.40** |
| Broken " | **3.80** |

# GAS GLOBES — 4-INCH FITTERS

**For use with No. 16 and No. 30 Globe Rings on all Welsbach Burners. Packages charged at Manufacturer's Schedule**

**No. 1712**

SINGLE WHITE ETCHED

Height, 4 inches; diameter, 7¾ inches.

Package contains 4 dozen.

Price, per dozen:

| | |
|---|---|
| Original package, | **$3.50** |
| Broken " | **4.20** |

**No. 179 B**

PRESSED GLASS

Height, 3⅞ inches; diameter, 7½ inches.

Package contains 4 dozen.

Price, per dozen:

| | |
|---|---|
| Original package, | **$1.80** |
| Broken " | **2.40** |

**No. 1714**

SINGLE WHITE ETCHED

Height, 3⅞ inches; diameter, 7¼ inches.

Package contains 4 dozen.

Price, per dozen:

| | |
|---|---|
| Original package, | **$3.10** |
| Broken " | **3.80** |

**No. 133 B**

BEADED AND RIBBED

Height, 4⅜ inches; diameter, 7¼ inches.

Package contains 3 dozen.

Price, per dozen:

| | |
|---|---|
| Original package, | **$2.30** |
| Broken " | **3.00** |

**No. 1606**

DOUBLE ETCHED, PANSY DECORATION

Height, 4 inches; diameter, 7½ inches.

Package contains 3 dozen.

Price, per dozen:

| | |
|---|---|
| Original package, | **$5.40** |
| Broken " | **6.20** |

**No. 1608**

SINGLE WHITE ETCHED

Height, 4¼ inches; diameter, 8¼ inches.

Package contains 3 dozen

Price, per dozen:

| | |
|---|---|
| Original package, | **$3.80** |
| Broken " | **4.60** |

# SHADES

**Packages charged at Manufacturer's Schedule**

**No. 100.** 10-INCH BELL TOP RIBBED DOME

| PRICES: | Dozen. | Each. |
|---|---|---|
| Royal Copper, Opal lined, | $18.00 | $2.00 |
| Green, " " | 8.50 | 1.15 |
| Yellow, " " | 13.00 | 1.50 |

**No. 101.** 10-INCH BELL TOP DOME

| PRICES: | Dozen. | Each. |
|---|---|---|
| Royal Copper, Opal lined, | $18.00 | $2.00 |
| Green, " " | 8.50 | 1.15 |
| Yellow, " " | 13.00 | 1.50 |

**No. 0571.** SHADE, OPAL LINED

½ dozen, either size, to a package.

| LIST PRICES: | Original Packages. Dozen. | Each. |
|---|---|---|
| 10-inch green, | $12.00 | $1.40 |
| 12 " " | 15.00 | 1.70 |
| 10 " ruby, | 25.00 | 2.50 |
| 12 " " | 30.00 | 2.90 |
| 10 " yellow, | 20.00 | 2.10 |
| 12 " " | 25.00 | 2.50 |

**No. 10.** 10-INCH SHADE

**No. 43.** BOBESCHE

| | Per dozen Orig. Pkg. | Broken Pkg. |
|---|---|---|
| **No. 10** Opal, | $3.00 | $4.00 |
| **No. 43** Opal or Roughed, | .90 | 1.00 |
| **Nos. 10 and 43** Opal, in sets, | 4.00 | |
| **No. 1036** Green, opal lined, No. 10 only (2 dozen to package), | 7.50 | 8.50 |
| Nos. 10 and 43 in sets. | | |
| **No. 1036** Green, opal lined, | 10.00 | 11.50 |
| **No. 1032** Pink, opal lined, imp'd, | 16.00 | 18.00 |
| **No. 1133** Yellow, " " | 16.00 | 18.00 |

**No. 74.** FLUTED OPAL SHADE, 8 INCHES DIAMETER

Package contains 7 dozen.

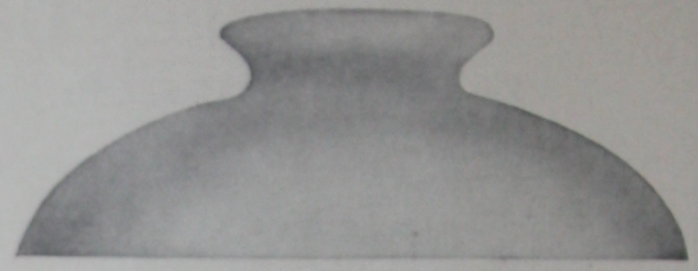
PRICES:

| | |
|---|---|
| Original package, per dozen, | $1.65 |
| Broken " " | 1.80 |

**No. 6.** OPAL SMOKE SHADE

Original package contains 10 dozen 6-inch, 7½ dozen 7-inch, 6 dozen 8-inch.

| | Orig. Pkg. | Broken Pkg. |
|---|---|---|
| 6-inch, per dozen, | $1.30 | $1.60 |
| 7 " " | 1.40 | 1.80 |
| 8 " " | 1.60 | 2.00 |



**No. 71.** 10-INCH SHADE

Original package contains 2 dozen green—8⅓ dozen opal.

| PRICES: | Orig. Pkg. | Broken Pkg. |
|---|---|---|
| Opal, per dozen, | $2.75 | $3.75 |
| Green, opal lined, per dozen, | 7.50 | 8.50 |

**No. 102.** 8-INCH SHADE

(Same shape as No. 71.)

Original package contains 6 dozen opal—4½ dozen green.

| PRICES: | Orig. Pkg. | Broken Pkg. |
|---|---|---|
| Opal, per dozen, | $1.80 | $2.30 |
| Green, opal lined, per dozen, | 4.00 | 4.50 |

**No. 9419**

For use with "Welsbach Junior" light. 5 inches diameter; 1¾ inches depth. F. Q. M. quality.

Package contains 3 dozen.

| | Orig. Pkg. | Broken Pkg. |
|---|---|---|
| Price, per dozen, | $2.75 | $3.25 |

**Clips for above Shade**

| | |
|---|---|
| Price, per 1000, | $4.00 |
| " " 100, | .50 |

**No. 316.** OPAL SHADE

F. Q. M. quality. For use with "Chic" Light No. 71310. 6½ inches diameter; 3½ inches depth.

Package contains 16 dozen.

| | |
|---|---|
| Price, original package, per dozen, | $4.00 |
| " per dozen, | 4.40 |

# "REFLEX" SHADES

**Packages charged at Manufacturer's Schedule**

**No. 503**

9-INCH FLAT OPAL SHADE

F. Q. M. QUALITY

Package contains 16⅔ dozen.

| | Original Package. | Broken Package. |
|---|---|---|
| Per dozen, . . . . . | **$3.60** | **$4.10** |

**No. 507**

GREEN ENAMELED ALUMINUM CONE REFLECTOR

Dimensions: Depth, 5 in.; diameter, 10 in.

Price, per dozen, **$10.00**; each, . . . . . **$1.00**

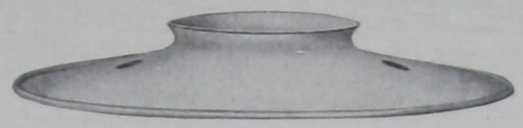
**No. E 586**

EXTENSIVE TYPE

GREEN ENAMELED ALUMINUM REFLECTOR

Dimensions: Depth, 4 in.; diameter, 7 in.

Price, per dozen, **$10.00**; each, . . . . . **$1.00**



**No. 533**

WHITE ENAMELED REFLECTOR

Diameter, 9 inches.

For use in factories, or wherever glass reflectors are undesirable.

Price, per dozen, . . . . . **$6.50**

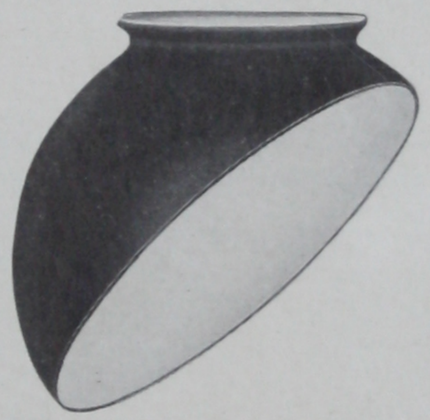
**No. 531**

WHITE ENAMELED REFLECTOR

Diameter, 8 inches.

For use in factories, or wherever glass reflectors are undesirable.

Price, per dozen, . . . . . **$8.00**



**No. 445.** ANGLE SHADE

Green Glass, Opal-lined or all Opal.

Package contains 3 dozen.

Price, per dozen:

| | Original Package. | Broken Package. |
|---|---|---|
| Green, . . . . . | **$7.00** | **$8.00** |
| Opal, . . . . . | **5.50** | **6.50** |

**No. 534**

Same shape as No. 445, enameled steel, green outside, white inside.

Package contains 3 dozen.

Price, per dozen:

| | |
|---|---|
| Original package, . . . . . | **$8.50** |
| Broken " . . . . . | **9.50** |

**No. 504**

8-INCH OPAL REFLECTING SHADE

Packages contain 6 dozen.

| | Original Package. | Broken Package. |
|---|---|---|
| Price, per dozen, . . . . . | **$2.50** | **$3.00** |

**No. 502.** 8-INCH CONE SHADE

Packages contain 16 dozen Opal, 3 dozen Green-plated.

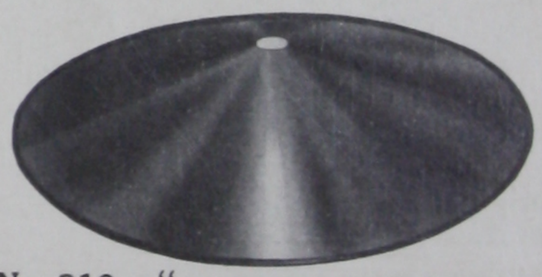
| | Original Package. | Broken Package. |
|---|---|---|
| Opal, per dozen, . . . . . | **$3.00** | **$3.50** |
| Green-plated, per dozen, . . . . . | **4.75** | **6.00** |

**No. 505.** METAL REFLECTOR

Same size and shape as No. 502.

Metal, Silvered Glass-lined.

| | |
|---|---|
| Price, per dozen, . . . . . | **$12.00** |
| " each, . . . . . | **1.25** |



**No. 310.** "REFLEX" HEAT BAFFLER

For use with the "Reflex" light when placed close to ceilings. We also advise the use of this heat baffler with the Flexible Metal Tubing Pendants, illustrated on page 23. Diameter, 8 inches. Made of steel, finished above in green and beneath in white enamel.

Price, per dozen, . . . . . **$5.50**

# "REFLEX" GLASSWARE

**Packages charged at Manufacturer's Schedule**

**No. 1088**

Diameter, 5 inches.

Round, open bottom, roughed top.

Package contains 6 dozen.

Price, per dozen :

Original package, . . . . . **$1.00**
Broken " . . . . . **1.50**

**No. 440.** VERRE KRASNA OPALINE

Verre Krasna is a white, heat-resisting glass that possesses great diffusive power and softens glare with but slight loss of light. It is especially recommended for residence lighting.

**No. 440. 5-inch.**
Package contains 16 dozen.
Price, per dozen, original package, **$2.75**
" " " broken " **3.25**

**No. 441. 6-inch.**
Package contains 16 dozen.
Price, per dozen, original package, **$3.75**
" " " broken " **4.25**

NOTE.—The No. 440 and 441 Globes will be repacked in cases containing 6 dozen pieces at the original package price, an extra charge of 60 cents net being made for the package. When taken in original packages, no charge for package.

**No. 442**

Diameter, 5 inches.

Package contains 6 dozen.

Price, per dozen :

| | Orig. Pkg. | Brok. Pkg. |
|---|---|---|
| French Roughed, | **$2.00** | **$2.50** |

**No. 450**

Diameter, 5 inches.

Single Simplex Etching.

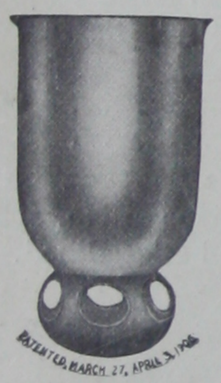
Package contains 3 dozen

Price, per dozen :

Original package, . . . . . **$2.75**
Broken " . . . . . **3.25**

## Special "Nibbed" Cylinders

**For use on No. 6 size "Reflex" Burner, or on No. 2 metal collar.**




**No. 317**

INNER CYLINDER

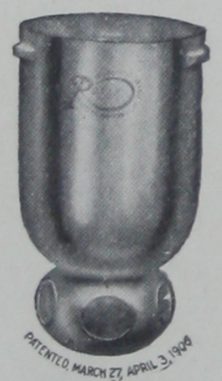
Package contains 30 dozen.

Price, per dozen :

Clear, original package, . . . **$2.50**
" broken " . . . **3.00**

Roughed all over. Opal. Lower half roughed. Half roughed vertically. Price, per dozen :

Original package, . . . . . **$2.75**
Broken " . . . . . **3.25**



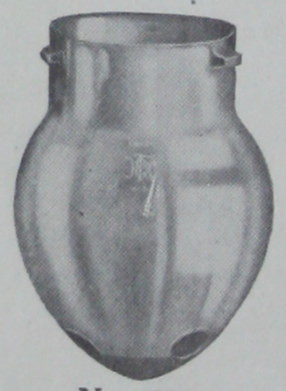

**No. 318**

INNER CYLINDER

Package contains 30 dozen.

Price, per dozen :

Clear glass, original package, . . **$2.50**
" " broken " . . **3.00**
Lower half roughed or half roughed vertically, original package, . . . **2.75**
Lower half roughed or half roughed vertically, broken package, . . . **3.25**



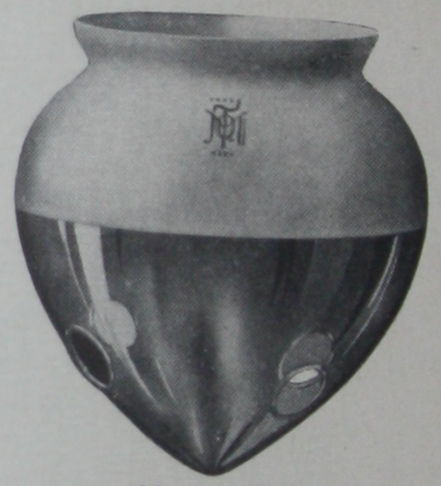
**No. 321**

INNER CYLINDER

Package contains 30 dozen.

Price, per dozen :

Clear glass, original package, . . **$2.50**
" " broken " . . **3.00**
Lower half frosted, original pkg., **2.75**
" " " broken " **3.25**



**No. 1702**

Diameter, 5 inches.

F. Q. M. quality Stalactite, air-hole, paste mould, roughed top.

Package contains 6 dozen.

Price, per dozen :

Original package, . . . . . **$2.80**
Broken " . . . . . **3.30**

When taken in import case of 25 dozen no package charge will be made.

NOTE.—These Cylinders will be repacked in cases containing 12 dozen at the original package price, an extra charge of 50 cents being made for the package. When taken in original packages, no charge for package.

# "REFLEX" GLASSWARE

**Packages charged at Manufacturer's Schedule**

**No. 0833**

Heavy satin etched. Diameter, 5 inches.

Package contains 3 dozen.

Price, per dozen :

Original package, . . . . . **$4.00**
Broken " . . . . . **5.00**

**No. 0834**

Heavy satin etched. Diameter, 5 inches.

Package contains 3 dozen.

Price, per dozen :

Original package, . . . . . **$4.00**
Broken " . . . . . **5.00**

**No. 1704**

Stalactite, single etched, air-hole, paste mould, F. Q. M. quality. Diameter, 5 inches.

Package contains 6 dozen.

Price, per dozen :

Original package, . . . . . **$3.75**
Broken " . . . . . **4.50**

**No. 1705**

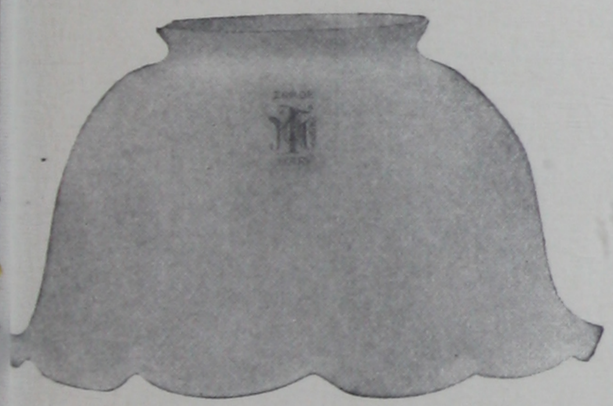
Stalactite, double etched, air-hole, paste mould, F. Q. M. quality. Diameter, 5 inches.

Package contains 6 dozen.

Price, per dozen :

Original package, . . . . . **$4.75**
Broken " . . . . . **5.50**

When No. 1704 or 1705 are taken in import cases of 25 dozen no package charge will be made.



**No. 1602.** OPAL

F. Q. M. QUALITY

7½ inches diameter ; 4¼ inches deep.

Original package contains 16 dozen.

Price, per dozen :

Original package, . . . . . **$4.50**
Broken " . . . . . **5.50**

Repacked 3 dozen to package at additional charge of 35 cents per package.
No package charge on original cases.

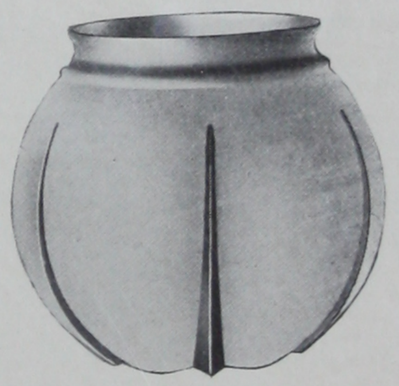
**No. 1407**

Crystal, single etched, wide panels with clear ribs. Diameter, 5 inches ; depth, 4½ inches.

Package contains 6 dozen.

Price, per dozen :

Original package, . . . . . **$4.00**
Broken " . . . . . **5.00**



**No. 1408**

Crystal, roughed outside with clear ribs. Diameter, 5 inches ; depth, 4¼ inches.

Package contains 6 dozen.

Price, per dozen :

Original package, . . . . . **$2.00**
Broken " . . . . . **2.75**

**No. 1409**

Crystal, roughed outside with clear ribs. Diameter, 4¼ inches ; depth, 5 inches.

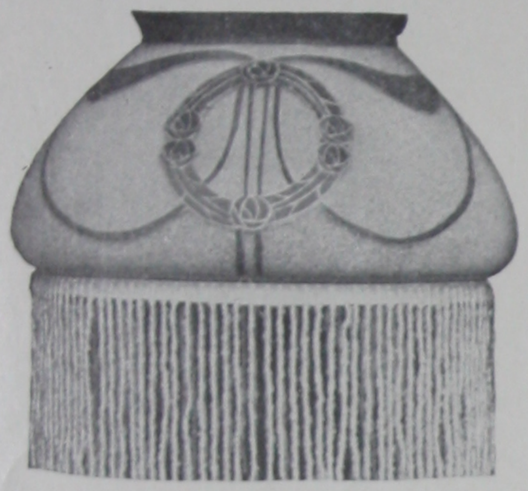
Package contains 6 dozen.

Price, per dozen :

Original package, . . . . . **$2.00**
Broken " . . . . . **2.75**

# DECORATED "REFLEX" GLASSWARE

**Original package contains 3 dozen** **Packages charged at Manufacturer's Schedule**



**No. 0818**

Crystal, iced and matted inside, empire decorations in green, gold and ruby. Diameter, 6¼ inches; depth, 4 inches; 4-inch crystal fringe.

Price, per dozen:

| | |
|---|---|
| Original package, | $20.00 |
| Broken " | 22.50 |

**No. 0816**

Crystal background, roughed inside, conventional leaf decoration in canary and green, outlined in white enamel. Diameter, 6¼ inches; depth, 4 inches; 4-inch crystal fringe.

Price, per dozen:

| | |
|---|---|
| Original package, | $22.00 |
| Broken " | 24.50 |

**No. 1807**

Roughed inside. Yellow, green, ruby or crystal. Diameter, 6¾ inches; depth, 4 inches; 4-inch fringe to match color of shade.

Price, per dozen:

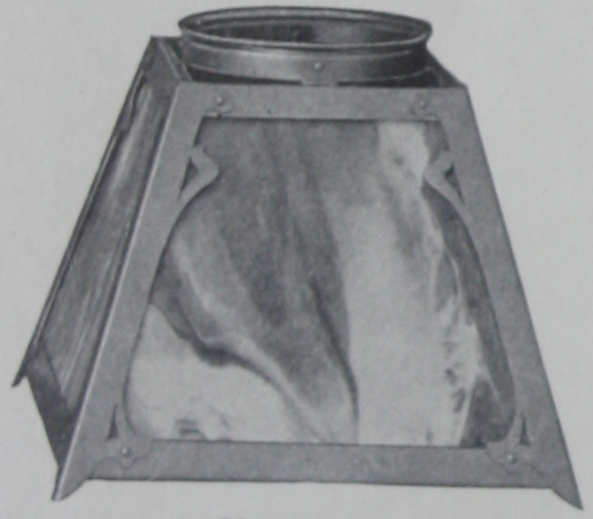
| | Orig. Pkg. | Broken Pkg. |
|---|---|---|
| Green, | $10.00 | $11.50 |
| Yellow, | 11.00 | 12.50 |
| Ruby, | 12.00 | 13.50 |
| Crystal, | 8.50 | 9.50 |

**No. 28**

Crystal, Colonial cut. Diameter, 6¼ inches; depth, 4 inches; 4-inch crystal fringe.

Price, per dozen:

| | |
|---|---|
| Original package, | $20.00 |
| Broken " | 22.50 |



**No. 0780**

Square, art glass. Metal frame. Diameter, 6½ inches; depth, 5½ inches.

Price, each:

| | Brushed Brass. | Wrought Iron. |
|---|---|---|
| Amber or Green Opal, | $2.50 | $2.30 |
| Ruby Green, | 2.80 | 2.50 |

**No. 0782**

Hexagonal, art glass. Metal frame. Diameter, 8¼ inches; depth, 5⅝ inches.

Price, each

| | Brushed Brass. | Wrought Iron. |
|---|---|---|
| Amber or Green Opal, | $3.00 | $2.50 |
| Ruby Green, | 3.30 | 2.80 |

**No. 083**

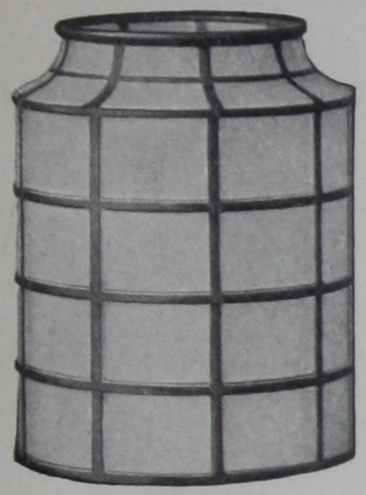
Crystal, iced and matted inside. Conventional design in yellow, green and gold. Diameter, 6½ inches; depth, 4 inches.

Price, per dozen:

| | |
|---|---|
| Original package, | $11.00 |
| Broken " | 13.00 |

# DECORATED "REFLEX" GLASSWARE

**Original package contains 3 dozen** **Packages charged at Manufacturer's Schedule**



**No. 472**

Crystal. French roughed. Squares formed by intersecting lines of either red or black ribs of glass as desired. Diameter, 4½ inches; depth, 5¾ inches.

Price, per dozen:

Original package, . . . . . **$13.00**
Broken " . . . . . **15.00**

**No. 0104**

Nile green ground, roughed both sides, hand-painted decoration in green and gray. Raised etching. Diameter, 6 inches; depth, 4 inches.

Price, per dozen:

Original package, . . . . . **$20.00**
Broken " . . . . . **22.50**

**No. 9352**

Crystal, roughed inside. Grape decoration in purple and green. Diameter, 6½ inches; depth, 4½ inches.

Price, per dozen:

Original package, . . . . . **$23.00**
Broken " . . . . . **25.50**

**No. 2557**

Hexagonal. Crystal. Iced and matted inside. Silhouette landscape in black and yellow. Diameter, 5 inches; depth, 5 inches.

Price, per dozen:

Original package, . . . . . **$27.00**
Broken " . . . . . **30.00**

**No. 1116**

Crystal, optic fluted and acid roughed. Pansy decoration in red, blue, yellow and green. Diameter, 6½ inches; depth, 4½ inches.

Price, per dozen:

Original package, . . . . . **$8.00**
Broken " . . . . . **9.50**

**No. 1118**

Verre Krasna Opaline. Green and red decoration. Diameter, 5½ inches; depth, 4½ inches.

Price, per dozen:

Original package, . . . . . **$5.50**
Broken " . . . . . **7.00**

**No. 0835**

Heavy satin etched. Diameter, 5 inches; depth, 4¾ inches.

Price, per dozen:

Original package, . . . . . **$4.00**
Broken " . . . . . **5.00**

**No. 454**

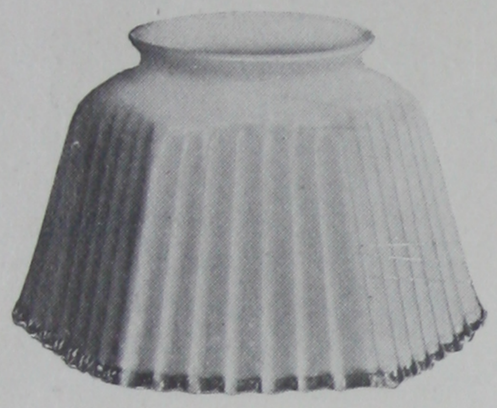
Heavy pebble etched, satin finish. Diameter, 5 inches.

Price, per dozen:

Original package, . . . . . **$4.50**
Broken " . . . . . **5.50**

# DECORATED "REFLEX" GLASSWARE

**Original package contains 3 dozen** **Packages charged at Manufacturer's Schedule**

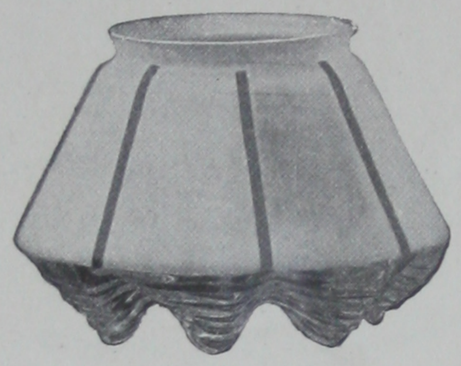


**No. 0918**

Hexagonal ribbed. Opaline body. Crystal bottom. Diameter, 6½ inches; depth, 4 inches.

Price, per dozen:

Original package, . . . . . **$5.00**
Broken " . . . . . **6.00**



**No. 0919**

Crystal, roughed body, clear lines, clear fluted and scalloped bottom. Diameter, 5¾ inches; depth, 4 inches.

Price, per dozen:

Original package, . . . . . **$4.00**
Broken " . . . . . **5.00**

**No. 01010**

Crystal, iced and matted inside, with conventional decoration in green and red with black lines. Diameter, 4½ inches; depth, 5 inches.

Price, per dozen:

Original package, . . . . . **$14.50**
Broken " . . . . . **16.50**

**No. 01011**

Crystal ground, roughed inside, conventional decoration in green and iridescent amber, with raised white dots. Diameter, 5 inches; depth, 4 inches.

Price, per dozen:

Original package, . . . . . **$11.00**
Broken " . . . . . **13.00**

**No. 01017**

Crystal, ribbed, iced and matted inside, grape vine decoration in ruby and green with gold lines. Diameter, 5 inches; depth, 4 inches.

Price, per dozen:

Original package, . . . . . **$11.00**
Broken " . . . . . **13.00**

**No. 0105**

Crystal, double etched decoration in ruby, yellow, green and violet. Diameter, 5 inches; depth, 5 inches.

Price per dozen:

Original package, . . . . . **$13.00**
Broken " . . . . . **15.00**

**No. 01012**

Crystal, roughed inside, conventional decoration in canary and green, outlined in white enamel. Diameter, 6 inches; depth, 4 inches.

Price, per dozen:

Original package, . . . . . **$11.00**
Broken " . . . . . **13.00**

**No. 0102**

Nile green ground, roughed both sides, Royal Copenhagen Pottery decoration in purple. Diameter, 6 inches; depth, 4 inches.

Price, per dozen:

Original package, . . . . . **$16.50**
Broken " . . . . . **19.00**

# DECORATED "REFLEX" GLASSWARE

**Original package contains 3 dozen** **Packages charged at Manufacturer's Schedule**

**No. 0812**

Squat ball, crystal, ribbed inside, double etching. Diameter, 5½ inches.

Price, per dozen:

| | |
|---|---|
| Original package, | $8.00 |
| Broken " | 9.50 |

**No. 0813**

Crystal, etched, ribbed inside, scalloped bottom. Diameter, 6 inches; depth, 5 inches.

Price, per dozen:

| | |
|---|---|
| Original package, | $7.50 |
| Broken " | 9.00 |

**No. 0838**

Opal top. Crystal scalloped bottom. Diameter, 6 inches; depth, 5 inches.

Price, per dozen:

| | |
|---|---|
| Original package, | $5.50 |
| Broken " | 7.00 |

**No. 081**

Crystal, iced and matted inside. Conventional decoration in dark green, outlined in light green and gold. Diameter, 4 inches; depth 5½ inches.

Price, per dozen:

| | |
|---|---|
| Original package, | $15.00 |
| Broken " | 17.00 |

**No. 1134**

Matted crystal, cut decoration, cut star opening in bottom. Diameter, 5 inches; depth, 5¼ inches.

Price, per dozen:

| | |
|---|---|
| Original package, | $14.00 |
| Broken " | 16.00 |

**No. 1503—Amber**

Amber glass, plastic etched art nouveau design. Diameter, 5 inches; depth, 5 inches.

Price, per dozen:

| | |
|---|---|
| Original package, | $10.00 |
| Broken " | 11.50 |

**No. 1504—Crystal**

Crystal, plastic etched art nouveau design. Diameter, 5 inches; depth, 5 inches.

Price, per dozen:

| | |
|---|---|
| Original package, | $9.00 |
| Broken " | 10.50 |

**No. 1132**

Crystal, matted both sides. Seascape decoration and shaded top in warm rose tones. Diameter, 5½ inches; depth, 5 inches.

Price, per dozen:

| | |
|---|---|
| Original package, | $13.00 |
| Broken " | 15.00 |

# DECORATED "REFLEX" GLASSWARE

**Original package contains 3 dozen** **Packages charged at Manufacturer's Schedule**

**No. 1184**

Matted crystal, Sheffield paneled, with crimped bottom. Cut stars and clear ribs. Diameter, 5¾ inches; depth, 5¼ inches.

Price, per dozen:

Original package, . . . . . **$7.50**
Broken " . . . . . **9.00**

**No. 1120**

Verre Krasna Opaline with beaded bottom. Green border decoration. Diameter, 5 inches; depth, 4½ inches.

Price, per dozen:

Original package, . . . . . **$4.50**
Broken " . . . . . **5.50**

**No. 01014**

Verre Krasna Opaline Glass with border in green. Diameter, 4¼ inches; depth, 4¼ inches.

Price, per dozen:

Original package, . . . . . **$4.00**
Broken " . . . . . **5.00**

**No. 1115**

Crystal, optic fluted, acid roughed inside. Pea green and red decoration. Diameter, 5 inches.

Price, per dozen:

Original package, . . . . . **$7.50**
Broken " . . . . . **9.00**

**No. 1113**

Crystal, optic fluted and acid roughed, with crimped bottom. Ruby and green decoration. Diameter, 5½ inches; depth, 5 inches.

Price, per dozen

Original package, . . . . . **$7.00**
Broken " . . . . . **8.50**

**No. 1131**

Bisque, with crimped bottom. Mountain and lake decoration outlined in gold on shaded ground, brown tones predominating. Diameter, 5 inches; depth, 4¼ inches.

Price, per dozen:

Original package, . . . . . **$15.00**
Broken " . . . . . **17.00**

**No. 1137**

Bisque with scalloped bottom. Mountain and lake decoration in sienna tones on ground of pale yellow shading to light blue. Diameter, 6 inches; depth, 4 inches.

Price, per dozen:

Original package, . . . . . **$16.00**
Broken " . . . . . **18.50**

**No. 1130**

Iridescent crystal, acid roughed both sides. Venetian scene, blue and purple tones predominating. Diameter, 5½ inches; depth, 4⅛ inches.

Price, per dozen:

Original package, . . . . . **$14.50**
Broken " . . . . . **16.50**

# DECORATED "REFLEX" GLASSWARE

**Original package contains 3 dozen** **Packages charged at Manufacturer's Schedule**

**No. 1114**

Crystal, acid roughed. Ruby and green decoration. Diameter, 5 inches; depth, 5 inches.

Price, per dozen:

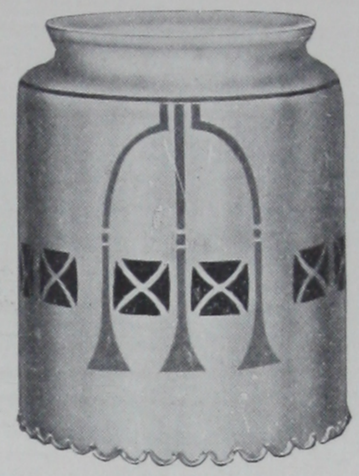
Original package, . . . . . **$7.00**
Broken " . . . . . **8.50**

**No. 1121**

Verre Krasna Opaline with beaded bottom. Diameter, 5 inches; depth, 4½ inches.

Price, per dozen:

Original package, . . . . . **$2.85**
Broken " . . . . . **3.60**



**No. 1117**

Crystal, acid roughed with beaded bottom. Green and ruby decoration. Diameter, 5 inches; depth, 5 inches.

Price, per dozen:

Original package, . . . . . **$6.35**
Broken " . . . . . **7.85**

**No. 1119**

Verre Krasna Opaline. Green, yellow and red decorations. Diameter, 5 inches.

Price, per dozen:

Original package, . . . . . **$7.00**
Broken " . . . . . **8.50**

**No. 6007**

Bournique art glass, in Opalescent-opal, Amber-opal or Green-ruby. Tulip bottom, raised black lines. Metal collar. Diameter, 6¼ inches; depth, 4½ inches.

Price, per dozen:

| | Orig. Pkg. | Broken Pkg. |
|---|---|---|
| Opalescent or Amber-opal, . . | **$18.00** | **$20.50** |
| Green-ruby, . . . | **25.00** | **27.50** |

**No. 6008**

Bournique art glass, in Opalescent-opal, Amber-opal or Ruby-opal. Intersecting raised black lines. Metal collar. Diameter, 6½ inches; depth, 4½ inches.

Price, per dozen:

| | Orig. Pkg. | Broken Pkg |
|---|---|---|
| Opalescent or Amber-opal, . . | **$18.00** | **$20.50** |
| Ruby-opal, . . . | **22.00** | **24.50** |

**No. 3416**

Alba Glass. Ribbed and scalloped bottom. Metal Collar. Diameter, 6¾ inches; depth, 4½ inches.

Price, per dozen:

Original package, . . . . . **$10.00**
Broken " . . . . . **12.00**

**No. 3415**

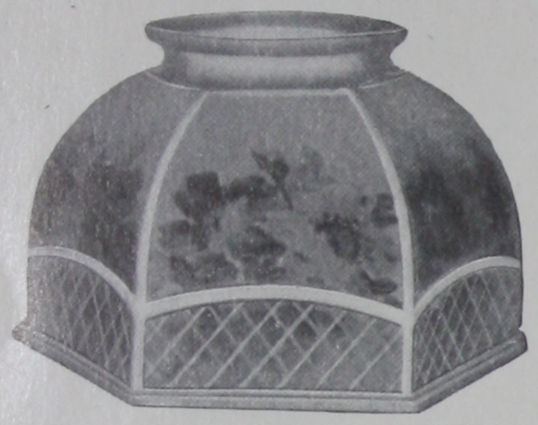
Alba Glass. Ribbed and scalloped bottom. Star decoration. Metal Collar. Diameter, 6¾ inches; depth, 4½ inches.

Price, per dozen:

Original package, . . . . . **$10.00**
Broken " . . . . . **12.00**

# DECORATED "REFLEX" GLASSWARE

**Original package contains 3 dozen** **Packages charged at Manufacturer's Schedule**



**No. 1505**

Crystal, matted both sides. Red, yellow, orange and green poppy decoration on the inside, but showing through to the outside in soft artistic effect. Diameter, 6½ inches; depth, 4½ inches.

Price, per dozen:

Original package, . . . . . **$15.00**
Broken " . . . . . **17.00**

**No. 115**

Opal, crystal lined. Rosettes and star in bottom cut through the opal. Cut star air holes. Diameter, 5 inches; depth, 4½ inches.

Price, per dozen:

Original package, . . . . . **$12.00**
Broken " . . . . . **14.00**

**No. 1506**

Crystal, matted both sides. Purple grapes and green leaves. Diameter, 6 inches; depth, 4 inches.

Price, per dozen:

Original package, . . . . . **$9.00**
Broken " . . . . . **10.50**

**No. 1136**

Crystal, acid roughed. Colonial cut. Diameter, 6 inches; depth, 4½ inches.

Price, per dozen:

Original package, . . . . . **$14.50**
Broken " . . . . . **16.50**

**No. 1133**

Matted crystal, cut decoration, cut star opening in bottom. Diameter, 6 inches; depth, 5 inches.

Price, per dozen:

Original package, . . . . . **$18.00**
Broken " . . . . . **20.50**

**No. 111**

Crystal, double etched, ribbed, with cut star air holes. Diameter, 4¾ inches; depth, 5 inches.

Price, per dozen:

Original package, . . . . . **$7.50**
Broken " . . . . . **9.00**

**No. 1502**

Crystal, iced. Green and ruby decoration outlined in black. Diameter, 4¾ inches; depth, 4½ inches.

Price, per dozen:

Original package, . . . . . **$8.00**
Broken " . . . . . **9.50**

**No. 1500**

Crystal. Red apples, green leaves and brown twigs. Diameter, 4½ inches; depth, 4½ inches.

Price, per dozen:

Original package, . . . . . **$8.50**
Broken " . . . . . **10.00**

# DECORATED "REFLEX" GLASSWARE

**Original package contains 3 dozen** **Packages charged at Manufacturer's Schedule**

**No. 118**

Crystal, double etched, with cut rosette air holes. Diameter, 5½ inches; depth, 5¼ inches.

Price, per dozen:

Original package, . . . . . **$8.00**
Broken " . . . . . **9.50**

**No. 1140**

Crystal, matted both sides. Holland decoration and shaded top in warm rose tones. Diameter, 5½ inches; depth, 4 inches.

Price, per dozen:

Original package, . . . . . **$13.00**
Broken " . . . . . **15.00**

**No. 1125**

Crystal, roughed bottom, transparent green top. Green decoration backed with gold, ruby dots and diamonds all outlined in raised white enamel. Diameter, 6 inches; depth, 4¼ inches.

Price, per dozen:

Original package, . . . . . **$10.50**
Broken " . . . . . **12.50**

**No. 1128**

Crystal, acid roughed. Ribbed inside. Rose and foliage decoration in ruby and green. Diameter, 6 inches; depth, 4⅜ inches.

Price, per dozen:

Original package, . . . . . **$7.00**
Broken " . . . . . **8.50**

**No. 1110**

Crystal, acid roughed with beaded bottom, cut stars and dots. Diameter, 4 inches; depth, 5 inches.

Price, per dozen:

Original package, . . . . . **$8.00**
Broken " . . . . . **9.50**

**No. 1123**

Opal with crimped bottom. Pink poppies and green foliage on shaded green ground. Diameter, 5¼ inches; depth, 4½ inches.

Price, per dozen:

Original package, . . . . . **$10.00**
Broken " . . . . . **11.50**

**No. 1139**

Matted crystal, ribbed inside. Cut stars. Diameter, 5½ inches; depth, 5 inches.

Price, per dozen:

Original package, . . . . . **$5.50**
Broken " . . . . . **7.00**

**No. 1129**

Crystal, acid roughed inside. Gold stripes and etched decoration on ground of pink. Diameter, 6 inches; depth, 4 inches.

Price, per dozen:

Original package, . . . . . **$12.00**
Broken " . . . . . **14.00**

# DECORATED "REFLEX" GLASSWARE

**Packages charged at Manufacturer's Schedule**

**No. 1142**

Opal, crystal lined. Rosettes, stars and line markings cut through the opal. Diameter, 5 inches; depth, 4½ inches.

Package contains 3 dozen.
Price, per dozen:

Original package, . . . . . **$12.00**
Broken " . . . . . **14.00**

**No. 119**

Crystal, double etched, with wide, flat crimps at the bottom. Ruby, green and yellow decoration. Diameter, 5¼ inches; depth, 4 inches.

Package contains 3 dozen.
Price, per dozen:

Original package, . . . . . **$9.50**
Broken " . . . . . **11.00**

**No. 117**

Crystal, double etched. Green and ruby decoration. Diameter, 5 inches; depth, 5 inches.

Package contains 3 dozen.
Price, per dozen:

Original package, . . . . . **$11.50**
Broken " . . . . . **13.50**

**No. 1127**

Crystal, outside iced and matted. Embossed decoration in red. Diameter, 5 inches; depth, 5 inches.

Package contains 3 dozen.
Price, per dozen:

Original package, . . . . . **$8.50**
Broken " . . . . . **10.00**

**No. 1403**

Crystal, acid roughed inside with crimped bottom. Free-hand wild rose and buttercup decoration in red, yellow and green. Diameter, 5 inches; depth, 4½ inches.

Package contains 6 dozen.
Price, per dozen:

Original package, . . . . . **$7.00**
Broken " . . . . . **8.50**

**No. 1404**

Crystal, acid roughed inside. Free-hand wild rose and daisy decoration in red, green and yellow. 4 inches square; depth, 5 inches.

Package contains 6 dozen.
Price, per dozen:

Original package, . . . . . **$7.00**
Broken " . . . . . **8.50**

**No. 1405**

Crystal, acid roughed inside. Ruby diamonds, with raised outlines and line markings in verd green. Diameter, 4 inches; depth, 5 inches.

Package contains 6 dozen.
Price, per dozen:

Original package, . . . . . **$8.00**
Broken " . . . . . **9.50**

**No. 1406**

Crystal, single etched. Diameter, 4½ inches; depth, 5 inches.

Package contains 6 dozen.
Price, per dozen:

Original package, . . . . . **$4.00**
Broken " . . . . . **5.00**

# DECORATED "REFLEX" GLASSWARE

**Original package contains 3 dozen** **Packages charged at Manufacturer's Schedule**

**No. 1501**

Crystal, iced. Green, yellow and ruby decoration outlined in black. Diameter, 5 inches; depth, 4¾ inches.

Price, per dozen:

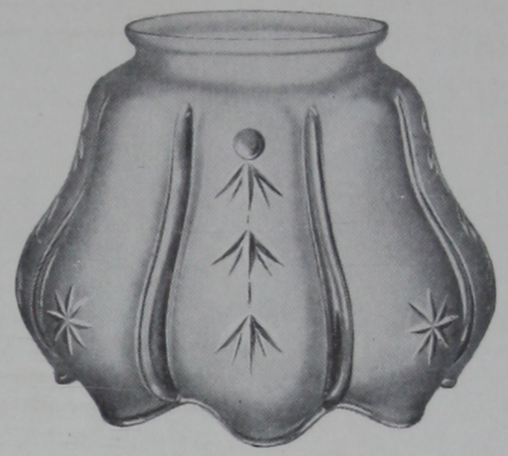
Original package, . . . . . **$9.50**
Broken " . . . . . **11.00**

**No. 1180**

Matted crystal, Sheffield paneled with cut stars and clear ribs. Diameter, 5 inches; depth, 5¼ inches.

Price, per dozen:

Original package, . . . . . **$7.00**
Broken " . . . . . **8.50**



**No. 1181**

Matted crystal, Sheffield paneled with scalloped bottom and clear ribs. Cut stars and sprays. Diameter, 6 inches; depth, 5 inches.

Price, per dozen:

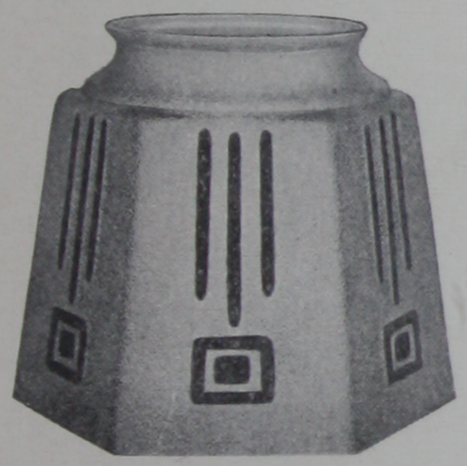
Original package, . . . . . **$9.50**
Broken " . . . . . **11.00**

**No. 1138**

Bisque, with scalloped bottom. Landscape in green tones on pale yellow ground shading to light blue. Diameter, 6 inches; depth, 4 inches.

Price, per dozen:

Original package, . . . . . **$14.50**
Broken " . . . . . **16.50**



**No. 1126**

Crystal, iced and matted outside. Embossed decoration in yellow. Diameter, 5 inches; depth, 5 inches.

Price, per dozen:

Original package, . . . . . **$8.50**
Broken " . . . . . **10.00**

**No. 1507**

Crystal, matted inside. Red and green holly decoration with green stripes. Diameter, 6¼ inches; depth, 4 inches.

Price, per dozen:

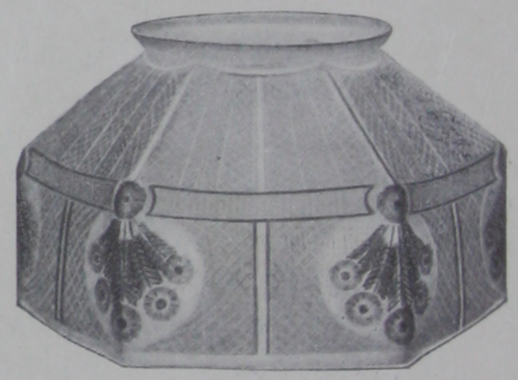
Original package, . . . . . **$7.50**
Broken " . . . . . **9.00**

**No. 1182**

Crystal. Upper half matted, with cut stars and clear lines outlining the panels; lower half clear. Diameter, 5¾ inches; depth, 4¾ inches.

Price, per dozen:

Original package, . . . . . **$8.00**
Broken " . . . . . **9.50**



**No. 1112**

Crystal, double etched. Green, yellow, rose and violet decoration. Diameter, 6½ inches; depth, 3¾ inches.

Price, per dozen:

Original package, . . . . . **$13.50**
Broken " . . . . . **15.50**

# WELSBACH-HOLOPHANE REFLECTORS

**A new type known as "STILETTO" Reflectors. *More Attractive. Edges are thinner; glass is more brilliant* and *greater* sparkle is obtained in the new "STILETTO" prisms**

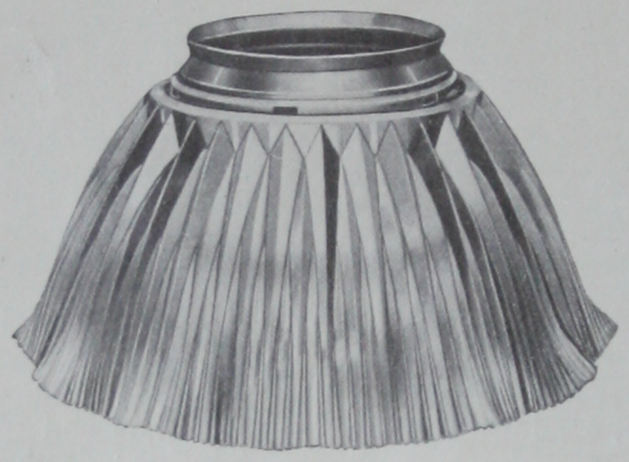
**Twenty per cent. lighter in weight** **Very much higher efficiency** **A gain in useful illumination**

**Patented Welsbach Metal Collar — positive insurance against breakage from heat**

**No. E—1**

EXTENSIVE REFLECTOR (8152)

For general illumination of moderate-sized rooms either by means of single distributed units or by "Reflexoliers" or chandeliers. Very effective with low ceilings.



**No. I—1**

INTENSIVE REFLECTOR (8151)

For locations where higher intensity is required than that obtained from No. E-1. Adapted for medium to high ceilings and should not be used in low-ceiled rooms.

**No. F—1**

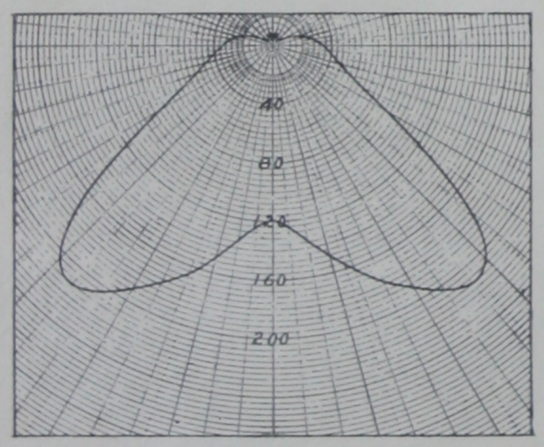
FOCUSING REFLECTOR (8153)

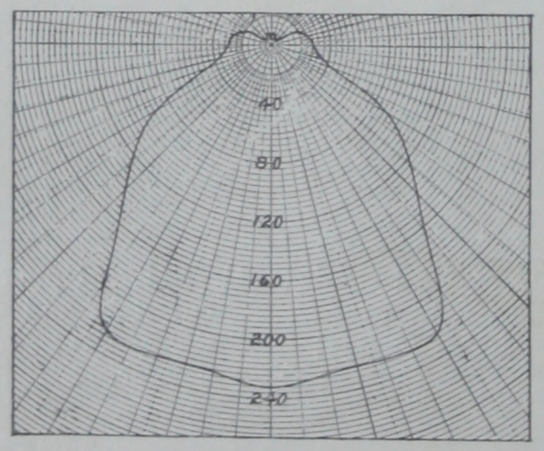
For show-window lighting and all exceptionally high-ceiled rooms. Throws a very intense light over a comparatively small area.

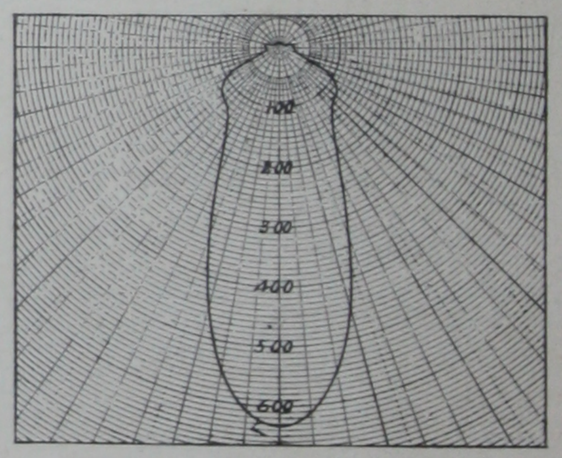
PRICES, including metal collar:

Original package, per dozen, . . . . . **$12.50** Broken package, per dozen, . . . . . **$14.00**

**No charge for package. Original package contains 3 dozen.**




Characteristic curves of "Reflex" Lamps equipped with Welsbach-Holophane Reflectors Nos. E-1, I-1 and F-1 respectively, on water gas of 18.01 C. P. of 590 B. T. U's. at 2½-inch pressure, consuming 4.2 cubic feet of gas per hour.

# GLASSWARE FOR No. 4 SIZE "REFLEX" LIGHTS

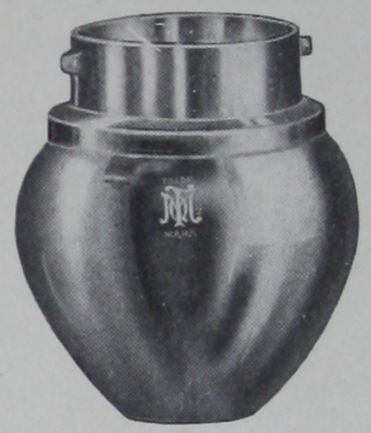
**Original package contains 6 dozen** **Packages charged at Manufacturer's Schedule**

**No. 324 Globe**

Diameter, 3½ inches; depth, 3½ inches. Furnished in V. K. Opaline or F. Q. M. Crystal roughed top or all roughed.

Original packages, per dozen, . . . . . **$2.20**
Broken " " . . . . . **2.75**

NOTE.—Shades cannot be used with the No. 324 globe.



**No. 328 Globe**

Diameter, 2⅝ inches; depth, 2⅞ inches. Furnished in V. K. Opaline or F. Q. M. Crystal roughed bottom.

Original packages, per dozen, . . . . . **$1.60**
Broken " " . . . . . **2.00**

**No. 9420 Shade**

Verre Krasna Opaline. Diameter, 5 inches; depth, $1\frac{3}{16}$ inches. For use on No. 4 size "Reflex" Lamp in combination with No. 328 globe.

Original packages, per dozen, . . . . . **$2.50**
Broken " " . . . . . **3.00**

**No. 9421 Shade**

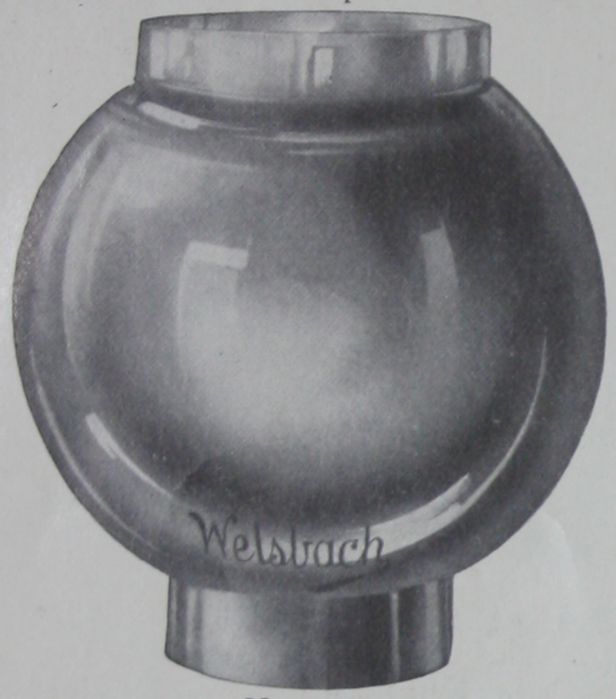
Verre Krasna Opaline. Diameter, 5 inches; depth, 2 inches. For use on No. 4 size "Reflex" Lamps in combination with No. 328 globe.

Original packages, per dozen, . . . . . **$2.50**
Broken " " . . . . . **3.00**

# ARC LAMP GLASSWARE

**Packages charged at Manufacturer's Schedule**

The V. K. Opaline is our well-known imported Verre Krasna glass. Its diffusive quality and heat-resisting power make it particularly desirable for Inverted Gas Arc Lamps. The F. Q. M. clear globes are made from the best Austrian heat-resisting glass.




**No. 904**

For No. 908 Outdoor Arc Lamp.
Diameter, 12 inches.
Package contains 1 dozen.

| | Per Doz. | Each. |
|---|---|---|
| Price, clear globe, . . . . . | **$10.00** | **$1.50** |

**No. 434**

For No. 905 or No. 910 Indoor Arc Lamp.
Diameter, 10 inches.
Package contains 1 dozen.

| | Orig. Pkg. Per Dozen. | Each. |
|---|---|---|
| Alabaster Glass, . . . . . | **$10.50** | **$1.50** |

Also supplied when desired in Clear, Roughed Top and Bottom, and Clear Top roughed 6 inches at bottom, at same price.

**No. 7**

For No. 900 Portico Lamp.
Diameter, 7 inches.
Package contains 1⅔ dozen.

| | Original Pkg. Per Doz. | Broken Pkg. Per Doz. |
|---|---|---|
| Price, Alabaster, . | **$6.00** | **$7.50** |
| " Sand blast, . | **5.00** | **6.50** |

**No. 5**

For No. 901 or No. 902 Portico Lamp
Diameter, 5 in.; depth, 4 in.
Package contains 3 dozen.

| | Original Pkg. Per Doz. | Broken Pkg. Per Doz. |
|---|---|---|
| Price, F. Q. M. clear, | **$4.00** | **$5.00** |
| " V. K. Opaline, | **5.00** | **6.00** |

When taken in import case of 24 dozen no package charge will be made.

**No. 11**

For "Multi-Flex" Arc.
Diameter, 11 inches.
Either F. Q. M. clear or Verre Krasna Opaline glass. Package contains 1 dozen.

| | Per Doz. | Each. |
|---|---|---|
| Price, either glass, . . . . . | **$25.00** | **$2.50** |

When taken in import case of 3 dozen no package charge will be made.

**No. 9 and No. 10 for No. 209 Cluster Lamp**

Original Package contains 5 dozen Clear or Opaline, ½ dozen Etched.
No. 9, 9 inches diameter; No. 10, 10 inches diameter.

| | No. 9 Globe for 3-Burner Lamp. Per Doz. | Each. | No. 10 Globe for 4 or 5-Burner Lamp. Per Doz. | Each. |
|---|---|---|---|---|
| Price, V. K. Opaline, | **$12.00** | **$1.50** | **$13.00** | **$1.60** |
| " F. Q. M. Quality, clear, . . . . | **12.00** | **1.50** | **13.00** | **1.60** |
| Price, etched, . . . | **20.00** | **2.75** | **22.00** | **3.00** |

**No. 909**

For "Intenso" Arc Lamp.
Diameter, 10 inches. Package contains 1 dozen.

| PRICE: | Original Package. | Broken Package. |
|---|---|---|
| Clear or Roughed Top, per dozen, . . . . . | **$9.00**; | each, **$1.00** |
| V. K. Opaline, " . . . . . | **13.00**; | " **1.40** |

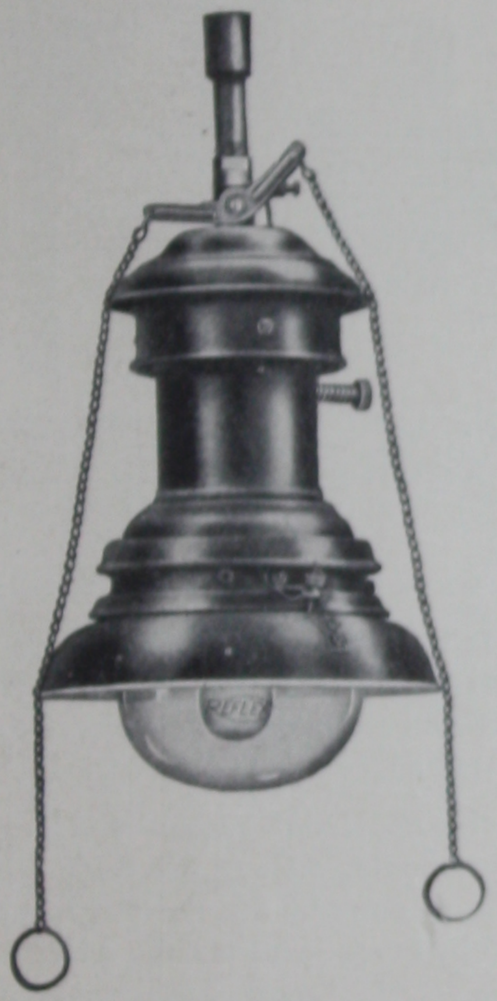
When the V. K. Opaline globe is taken in import case of 45 pieces no package charge will be made.

# WELSBACH INVERTED PORTICO LAMPS

For all semi-exposed places — porticos, entrances, etc. Wind, storm and insect-proof.

Exterior of lamps made of enameled steel. Gas and pilot-flame adjustment by means of needle valves from outside.

The globes on designs No. 901 and No. 902 are supported in a flanged reflector that provides for heat expansion. The reflector being hinged, it can readily be lowered for cleaning or trimming the lamp.



**No. 902**

INVERTED PORTICO LAMP
Single Burner

Equipped with No. 5 clear bowl globe and steel enameled reflector 8⅜ inches in diameter and 1½ inches deep. Finish, dark green enamel or white and gold enamel.

Dimensions: Length over all, 16 inches; diameter of globe, 5 inches; depth of globe, 4 inches.

| | Dark Green | White and Gold |
|---|---|---|
| Price, complete, without mantle, | **$8.00** | **$9.00** |

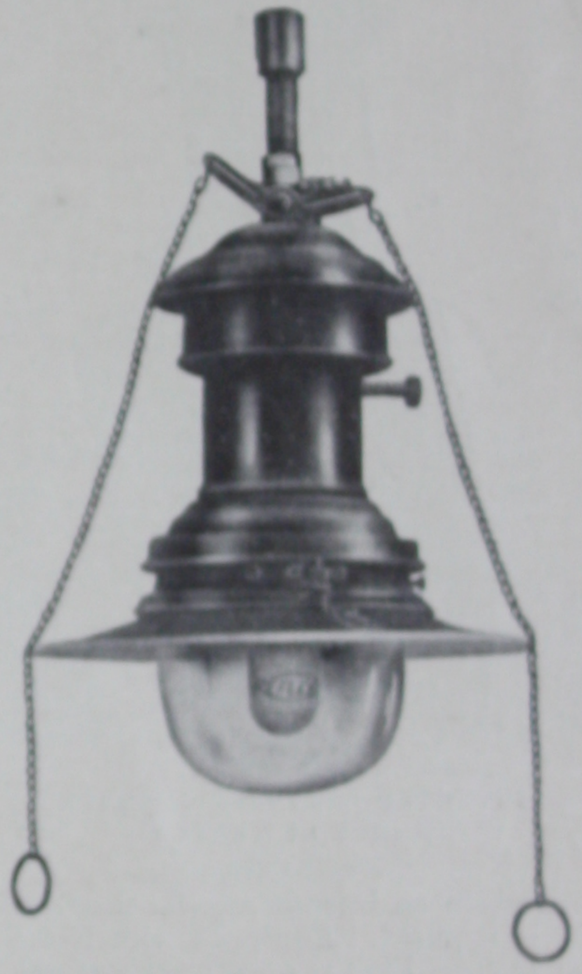
**No. 900**

INVERTED PORTICO LAMP
Single Burner.

Equipped with 7-inch alabaster or sand-blast ball globe. Finish, dark green, or white and gold enamel.

Dimensions: Length over all, 17½ inches.

| | Dark Green | White and Gold |
|---|---|---|
| Price, complete, without mantle, | **$8.00** | **$9.00** |



**No. 901**

INVERTED PORTICO LAMP.
Single Burner.

Same as 902 portico lamp, except steel enameled reflector, which is flat, and 10 inches in diameter. Finish, dark green enamel or white and gold enamel.

| | Dark Green | White and Gold |
|---|---|---|
| Price, complete, without mantle, | **$8.00** | **$9.00** |

# WELSBACH PORTICO LAMP AND SIGN FRAMES

**No. 906**

INVERTED PORTICO LAMP WITH ANGLE REFLECTOR

Single Burner.

For use where an intense angular distribution of light is required. Equipped with No. 5 clear bowl globe. Finish, dark green enamel. Dimensions: Length over all, 18 inches; diameter of globe, 5 inches; depth of globe, 4 inches. Angle Reflector of sheet metal, dark green outside, aluminum inside. Dimensions of Reflector: Width, front, 9 inches; back, 6½ inches; depth, front to back, 6¾ inches; height, 8½ inches.

Price, lamp and reflector, each, . . . . **$10.10**
No. **109** Price, reflector alone, each, . . . **2.60**

**No. 111**

TWO-PANEL ANGLE SIGN FRAME

For use with Nos. 901 or 902 Portico Lamps in displaying trade names, trade-marks, etc. Made in one, two, three or four panel forms. Easily attached to lamp. Size of panels, 9 by 12 inches.

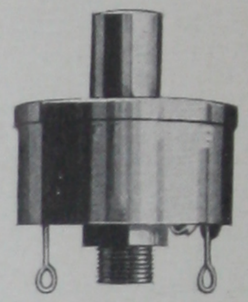
PRICES:

No. **110** One-panel Frame, glass not included, each, . . . . . **$2.00**
No. **111** Two-panel Frame, glass not included, each, . . . . . **2.75**
No. **112** Three-panel Frame, glass not included, each, . . . . . **4.50**
No. **113** Four-panel Frame, glass not included, each, . . . . . **5.50**
Glass for Sign Frames, per panel, unlettered, **.75**

**We suggest that glass for the Sign Frames be procured and lettered by your local dealer, thereby avoiding danger of breakage in transit and freight charges.**

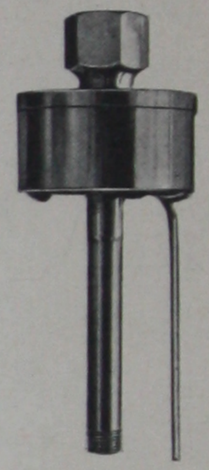
# WELSBACH MAGNET VALVES

**These valves are gas cocks, not igniters**



**No. 119**

MAGNET VALVE



**No. 120**

MAGNET VALVE

Can be used on gas pressures up to 50 tenths.

For use on lamps not readily accessible; operated by a set of dry cells (not less than four) connected by an ordinary wire circuit, controlled by a push-button.

The construction is high-grade. The sheet-copper shell fits snugly, making the valve rain-proof; the coils are powerful and the interior mechanism is carefully fitted, inspected and adjusted.

Orders must specify style of lamp to which Magnet Valve is to be attached. This information is necessary to insure valve being fitted with proper pilot tube extension. *We fit valves to lamps on which they are to be used without charge, and we strongly recommend ordering in this way.*

No. **119** Magnet Valve, for portico and arc lamps or for chandeliers, price, each, . . **$5.50**
No. **120** Magnet Valve, for single "Reflex" lamps, price, each, . . . . . **4.50**

# REFLEXOLIER WITH FILAMENT IGNITION

Lighted without matches, pilot or a flame of any kind. A pull on the chain turns on the gas and simultaneously makes connection between the igniter in the crown of the "Reflex" lamp and the battery contained in the center of the fixture. The current brings the filament in the igniter to a red glow, catalytic action instantly raises the temperature of the filament to the kindling point, the gas ignites and the lamps are lighted without bother, loss of time or perceptible drain on the battery. Quick, convenient and economical.

Equipped with the new No. 6 size "Reflex" burners which have the quick detachable glassware holders, doing away with the bother of set screws and obviating the breakage of glassware, specially lacquered and lined on the inside with aluminum, practically overcoming tarnishing troubles.

Brushed brass finish; round casings; stem, 1 inch diameter; arms, 7/8 inch diameter; drop, 24 inches; spread of arms, 21½ inches. Sliding canopy; diameter, 5 inches; depth, 3¾ inches.

**No. 1035**

TWO-LIGHT REFLEXOLIER WITH

FILAMENT IGNITION

Price, fixture complete with battery and the new No. 6 size "Reflex" burner, equipped with igniters, but not including mantles or glassware:

Each, . . . . . **$18.00**

PARTS FOR RENEWAL

Battery, each, . . . . . **$1.00**
Igniter, " . . . . . **.50**

**No. 1035**

THREE-LIGHT REFLEXOLIER WITH

FILAMENT IGNITION

Price, fixture complete with battery and the new No. 6 size "Reflex" burner, equipped with igniters, but not including mantles or glassware:

Each, . . . . . **$22.00**

# REFLEXOLIERS

**No. 1031**

2-LIGHT

**No. 1031**

3-LIGHT

**No. 1031**

4-LIGHT.

Brushed brass finish; round casings, ¾-inch diameter; drop, 24 inches; spread, 14 inches. Sliding canopy; diameter, 4½ inches; depth, 3¾ inches.

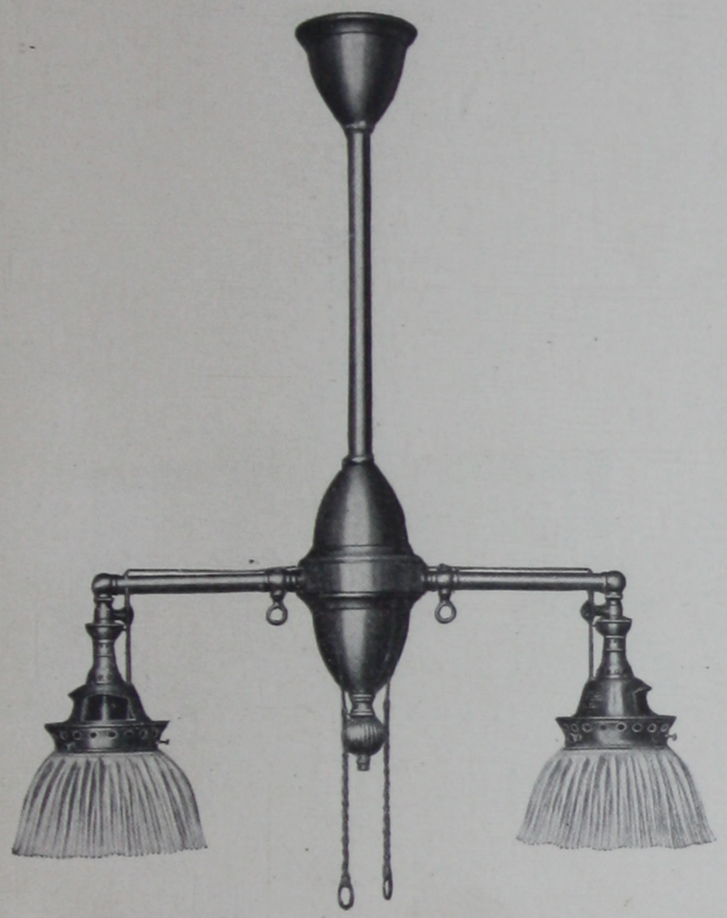
PRICES:

2-Light, Reflexolier only, each, . . . . . **$4.50** 3-Light, Reflexolier only, each, . . . . . **$5.00** 4-Light, Reflexolier only, each, . . . . . **$5.40**

Prices include standard pilot tubes, but do not include burners or glassware.

Furnished in special finishes at an extra charge of 10 per cent. over net prices.

# REFLEXOLIERS



**No. 1032**

2-LIGHT

**No. 1032**

3-LIGHT

**No. 1032**

4-LIGHT

Brushed brass; round casings; stem, ¾-inch diameter; arms, ⅝-inch diameter; drop, 24 inches; spread, 18 inches. Sliding canopy; diameter, 4½ inches; depth, 3¾ inches.

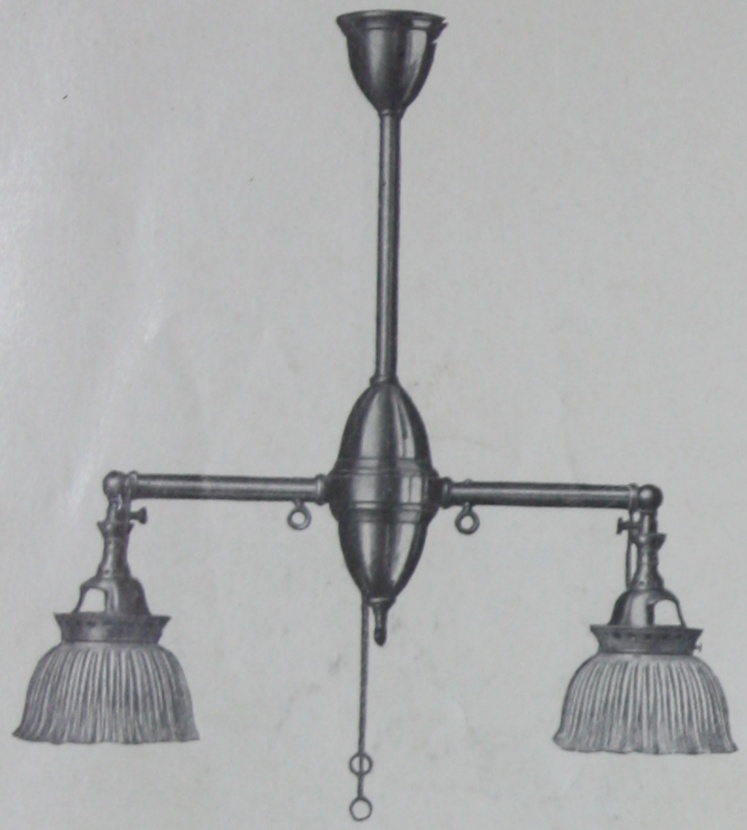
PRICES:

2-Light, Reflexolier only, each, . . . . . **$5.50** 3-Light, Reflexolier only, each, . . . . . **$6.75** 4-Light, Reflexolier only, each, . . . . . **$8.00**

Prices include standard pilot tubes, but do not include burners or glassware.

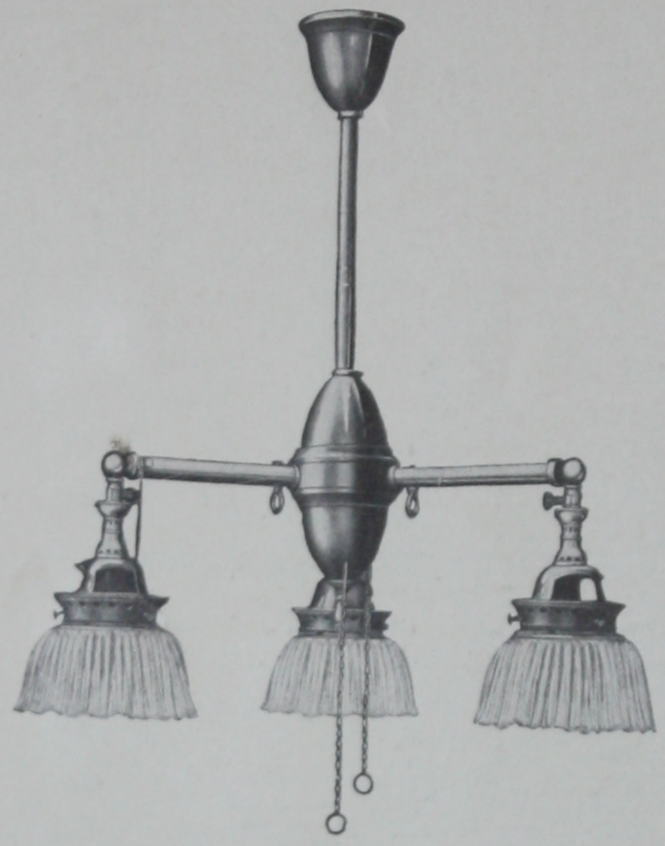
Furnished in special finishes at an extra charge of 10 per cent. over net prices.

# REFLEXOLIERS



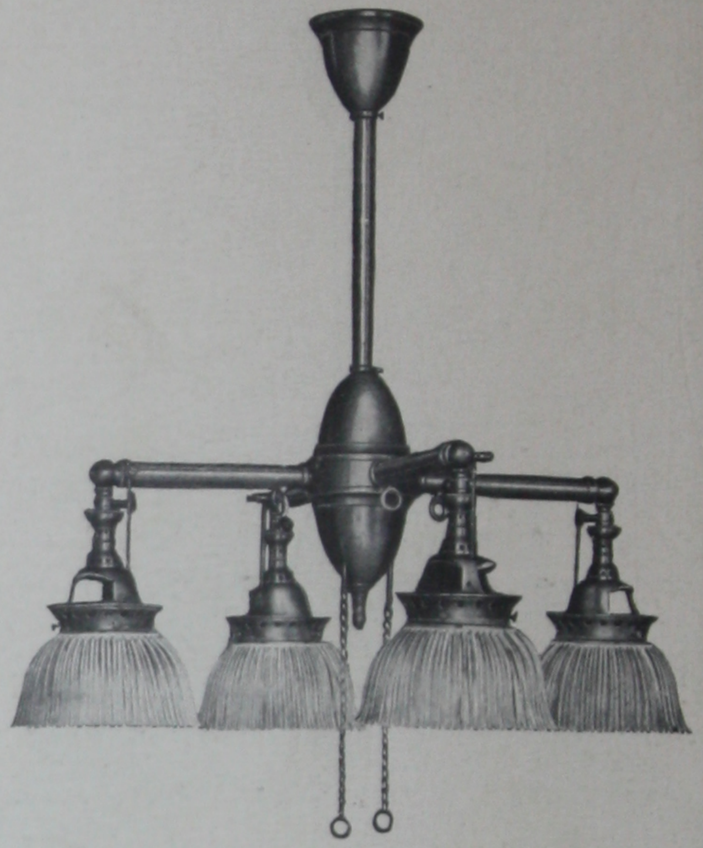
**No. 1033**

2-LIGHT



**No. 1033**

3-LIGHT



**No. 1033**

4-LIGHT

Brushed brass finish; round casings; stem, ¾-inch diameter; arms, ⅞-inch diameter; drop, 24 inches; spread, 20 inches. Sliding canopy; diameter, 4½ inches; depth, 3¾ inches. Concealed pilot gas-ways, with pilot adjustment by screw at end of arm.

PRICES :

2-light, Reflexolier only, each, . . . . . **$6.85**

3-light, Reflexolier only, each, . . . . . **$8.65**

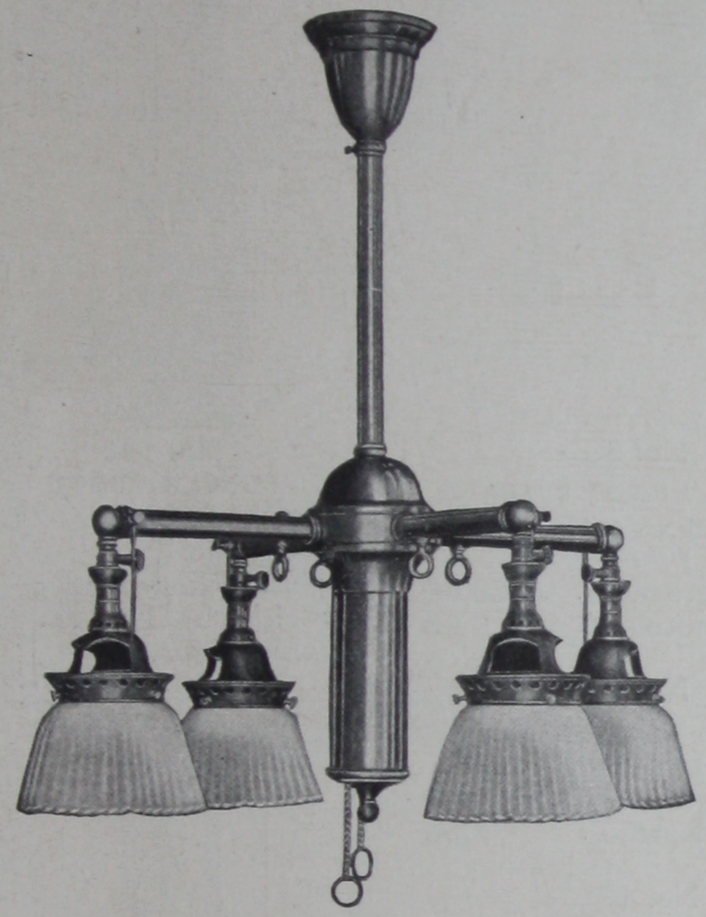
4-light, Reflexolier only, each, . . . . . **$10.45**

An extra well-made fixture throughout in finish, workmanship and material; very substantial and desirable for maintenance work.

Prices include standard pilot tubes, but do not include burners or glassware.

Furnished in special finishes at an advance of 10 per cent. over net prices.

## REFLEXOLIERS



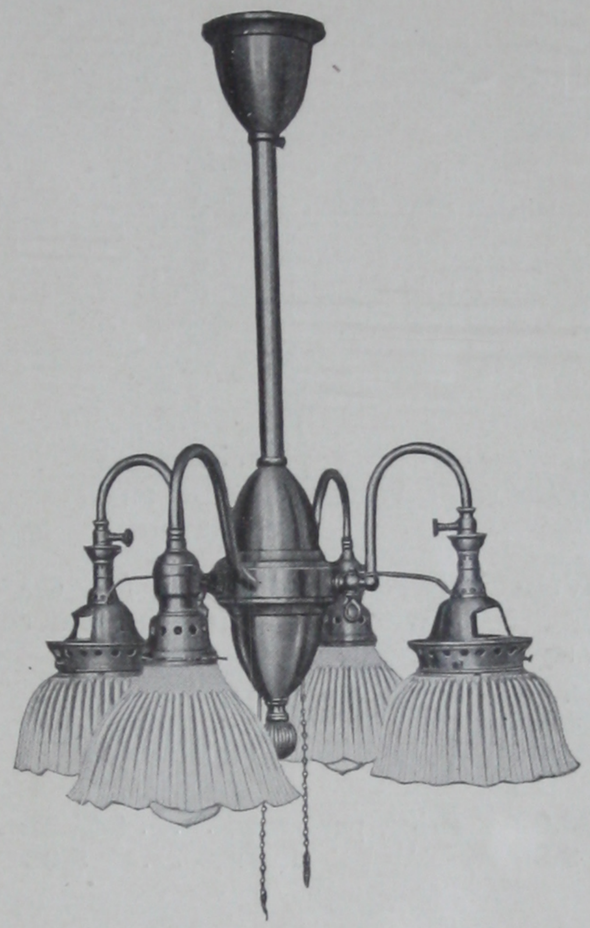
**No. 1292**

Brushed brass finish; round shells and casings; stem, ⅞-inch diameter; arms, ⅞-inch diameter; drop, 24 inches; spread, 20 inches. Sliding canopy; diameter, 4 inches; depth, 4 inches. Concealed pilot gas-ways.

PRICES:

2-Light, Reflexolier only, each, . . . . . **$10.50**
3-Light, Reflexolier only, each, . . . . . **13.00**
4-Light, Reflexolier only, each, . . . . . **15.50**

## COMBINATION REFLEXOLIERS



**No. 1301**

2/2-LIGHT

**No. 1301**

3/3-LIGHT

Brushed brass finish; round casings, ¾-inch diameter; drop, 24 inches; spread, 18 inches. Sliding canopy; diameter, 4½ inches; depth, 3¾ inches.

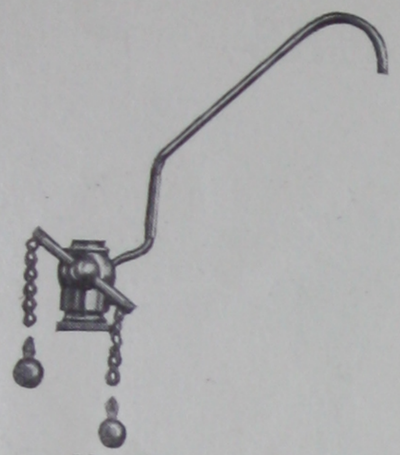
PRICES:

2/2-Light, Reflexolier only, each, . . . . . **$6.90**
3/3-Light, Reflexolier only, each, . . . . . **8.25**

Prices include standard pilot tubes, but do not include burners, glassware, electric lamps, sockets or wiring.

Supplied in special finishes at an extra charge of 10 per cent. over net prices.

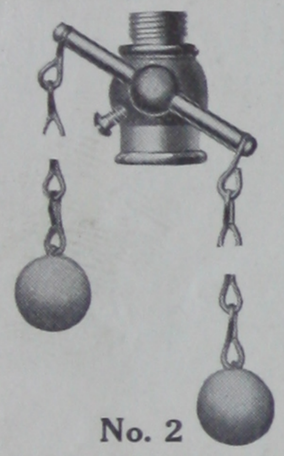
# BY-PASSES AND BUNSEN TUBES



**No. 9.** BY-PASS

For use with Gooseneck inverted burners. Same as No. 4 except shape of pilot tube.

| PRICES | Per Gro. | Per Doz. |
|---|---|---|
| By-pass, complete, | **$58.00** | **$5.85** |
| Pilot Tubes only, | **13.00** | **1.25** |

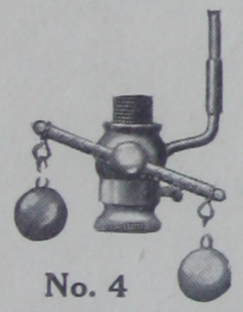


**No. 2**

WELSBACH PLAIN BY-PASS

Will not leak when used with either artificial or natural gas.

Price, per gross. . . . . **$28.00**
" " dozen, . . . . . **2.75**



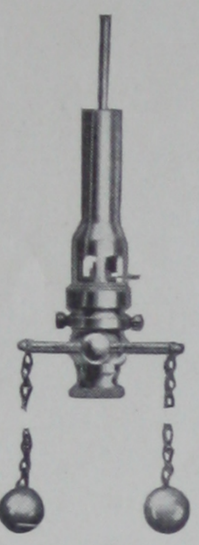
**No. 4**

WELSBACH SIDE-PILOT BY-PASS

This by-pass is specially designed for Welsbach Burners using air-hole glassware. The pilot-tube, where exposed to the flame, is protected by a magnesia tube.

When ordering specify style of burner on which the by-pass is to be used.

Price, per gross, . . . . . **$51.00**
" " dozen, . . . . . **5.25**



**No. 301**

DOUBLE-SCREW PILOT BY-PASS WITH GAS REGULATOR

For use on all types of Welsbach Burners.

When ordering specify style of burner on which by-pass is to be used. Where not specified, it will be sent to fit the No. 60 Burner.

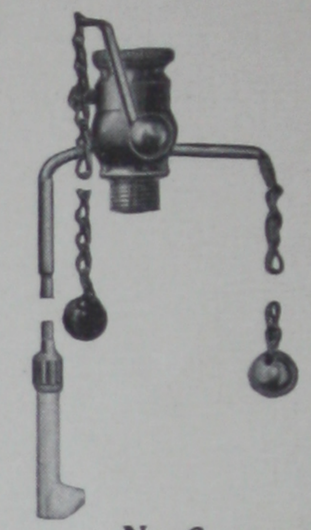
Price, per gross, . . . **$90.00**
" " dozen, . . **9.00**

**No. 22**

WELSBACH SIDE-PILOT BY-PASS

Especially designed for use with the Welsbach Junior Light.

Price, per gross, . . . **$45.00**
" " dozen, . . **5.00**



**No. 6**

"REFLEX" PILOT BY-PASS

For No. 1 and No. 6 size "Reflex" lamps.

Price, per gross, . . . **$60.00**
" " dozen, . . **6.00**

**No. 7**

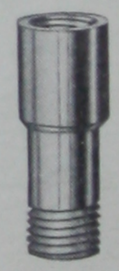
For No. 10 Inverted Burner, otherwise same as No. 6.

Price, per gross, . . . **$60.00**
" " dozen, . . **6.00**

**No. 46**

For No. 4 size "Reflex" Lamp; shorter pilot tube, otherwise same as No. 6.

| PRICES: | Per Gro. | Per Doz. |
|---|---|---|
| By-pass, complete, | **$60.00** | **$6.00** |
| Pilot Tubes only, . | **17.30** | **1.60** |



**No. 100.** EXTENSION NIPPLE

To bring lamps without by-passes to same level as those fitted with Nos. 6, 7 or 46 By-passes.

Price, per gross, . . . **$10.80**
" " dozen, . . **1.00**

**No. 14**

BUNSEN TUBE, WITH NEEDLE-VALVE ADJUSTMENT

For use with all types of Welsbach Burners on *natural gas*.

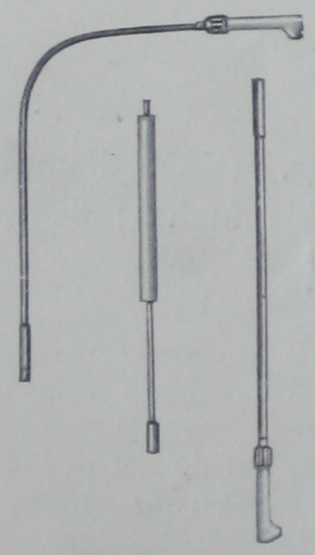
Price, per dozen, . **$3.65**

**No. 61**

IMPROVED CENTER-HOLE REGULATING BUNSEN TUBE

For use with all types of Welsbach Burners on either artificial or natural gas.

Price, per dozen, . **$3.65**



**No. 1030 No. 4 No. 0**

**No. 1030.** PILOT TUBE

For use in connection with No. 1031 Reflexolier.

Price, per gross, . . . . . **$18.70**
" " dozen, . . . . . **1.85**

**No. 4.** PILOT TUBE

For use with No. 4 Side Pilot By-pass.

Price, per gross, . . . . . **$6.50**
" " dozen, . . . . . **.70**

**No. 0.** PILOT TUBE

For use with Nos. 6 or 7 Side Pilot By-pass.

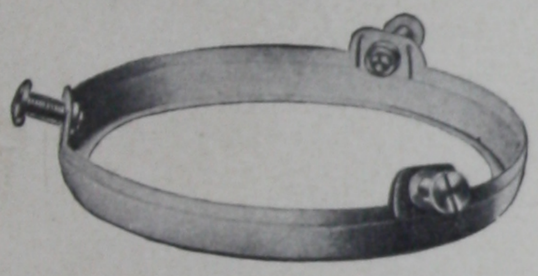
Price, per gross, . . . . . **$17.30**
" " dozen, . . . . . **1.60**

# GLOBE RINGS AND TRIPODS

**No. 16.** 4-INCH GAS GLOBE RING

For use with the No. 61 or No. 63 Universal Welsbach Burner.

Price, per 100, . . . . . **$14.00**
" " dozen, . . . . . **1.75**



**No. 17.** ELECTRIC GLOBE RING

For use with the No. 61 or No. 63 Universal Welsbach Burner.

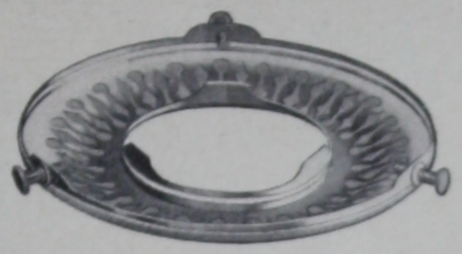
Price, per 100, . . . . . **$8.50**
" " dozen, . . . . . **1.10**

**No. 1**

4-INCH ADJUSTABLE GLOBE RING

Price, per dozen :

Japanese Bronze, . . . . . **$9.00**
Polished Brass, . . . . . **8.00**



**No. 30.** 4-INCH GAS GLOBE RING

For use on Burners with 2-inch Fitters.

Price, per 100, . . . . . **$14.00**
" " dozen, . . . . . **1.75**

**No. 66.** TRIPOD SHADE SUPPORT

For use on Burners with 2-inch Fitters.

10-inch size.

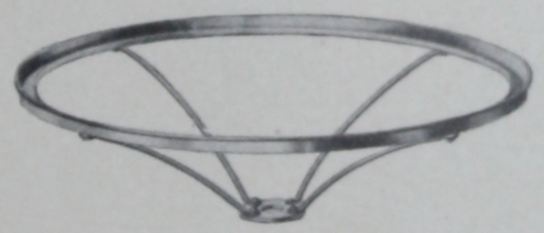
Price, per 100, . . . . . **$15.00**
" " dozen, . . . . . **2.10**

8-inch size.

Price, per 100, . . . . . **$13.50**
" " dozen, . . . . . **1.85**

5-inch size.

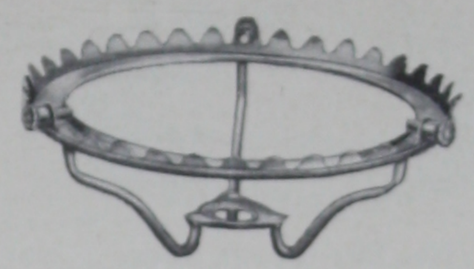
Price, per 100, . . . . . **$12.00**
" " dozen, . . . . . **1.75**



**No. 9.** DOME SHADE RING

| Price, per dozen, | 10-inch Ring Only. | 10-inch Ring with 3 or 4-inch Fringe. |
|---|---|---|
| Polished Brass, | $6 00 | $23.00 |
| Brushed Brass, | 6.00 | 23.00 |
| Light Jap. Bronze, | 7.00 | 24.00 |
| Dark Jap. Bronze, | 7.00 | 24.00 |
| Pompeian, | 7.00 | 24.00 |

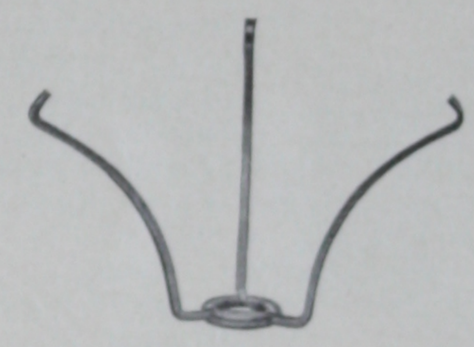
| Price, per dozen, | 12-inch Ring Only. | 12-inch Ring with 3 or 4-inch Fringe. |
|---|---|---|
| Polished Brass, | $7.50 | $30.00 |
| Brushed Brass, | 7.50 | 30.00 |
| Light Jap. Bronze, | 8.50 | 31.50 |
| Dark Jap. Bronze, | 8.50 | 31.50 |
| Pompeian, | 8.50 | 31.50 |



**No. 31** 4-INCH GAS GLOBE RING

For Junior Light.

Price, per gross, . . . . . **$13.50**
" " dozen, . . . . . **1.50**



**No. 24.** 5-INCH TRIPOD

For Junior Light.

Price, per 100, . . . . . **$6.50**
" " dozen, . . . . . **1.10**

**No. 32.** 3⅜ GLOBE RING

To permit the use of suitable styles of inverted glassware on upright gallery burners.

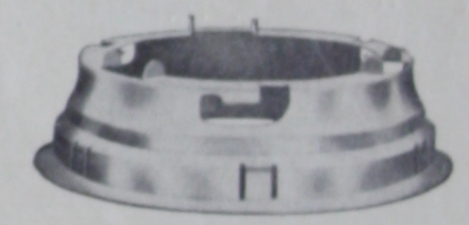
Price, per 100, . . . . . **$12.00**
" " dozen, . . . . . **1.60**

**No. 33**

GLOBE RING

By means of this ring, 4-inch upright gas globes may be used on the "Reflex" Lamp. Brushed brass finish.

Price, per 100, . . . . . **$14.00**
" " dozen, . . . . . **1.75**



**No. 2**

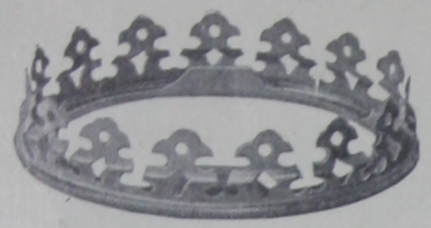
METAL COLLAR

For use with metal-neck shades on No. 1 size "Reflex" Burner, making it possible to remove the shade without touching the set screws.

Nos. 317, 318 or 321 cylinders can be used with this collar.

Price, per 100, . . . . . **$12.00**
" " dozen, . . . . . **1.75**

# GLOBE RINGS



**No. 28**

GLOBE RING

For use on 2-inch Gallery Burners with 2⅜-inch glassware.

Price, per 100, . . . . **$5.25**
" " dozen, . . . **.70**

**No. 29.** GLOBE RING

For use with No. 436 Opal or other 3-inch fitter globes in connection with No. 71 Burner.

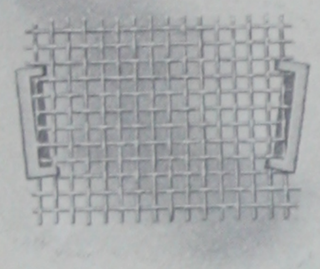
Price, per 100, . . . . . **$7.00**
" " dozen, . . . . . **1.15**

**No. 21**

ELECTRIC GLOBE RING

For Junior Light.

Price, per 100, . . . . **$7.00**
" " dozen, . . . **1.15**



**No. 1**

CROWN VENT GAUZE

For use on "Reflex" Lights in draughty places. Use not advisable on pressures under 2 inches.

PRICE:

Per 100, . . **$3.00**
" dozen, . . **.40**

**No. 23**

2-INCH GLOBE RING

For Junior Light.

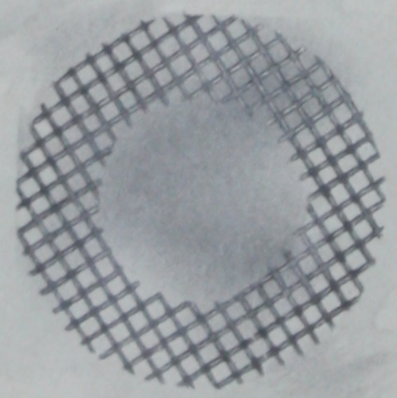
Price, per 100, . . . . **$7.00**
" " dozen, . . . **1.15**

No. 28 ring, shown at top of page, will fit over this ring, permitting the use of 2⅜-inch glassware.

**No. 61**

FLASH DIAPHRAGM

Price, per 100, . . . . **$8.00**
" " dozen, . . . **1.05**

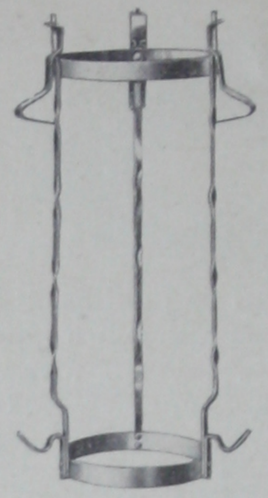


GAUZE PROTECTOR

For "Reflex" Air Shutter, to prevent insects from entering the air ports.

Price, per 100, . . . . **$1.00**

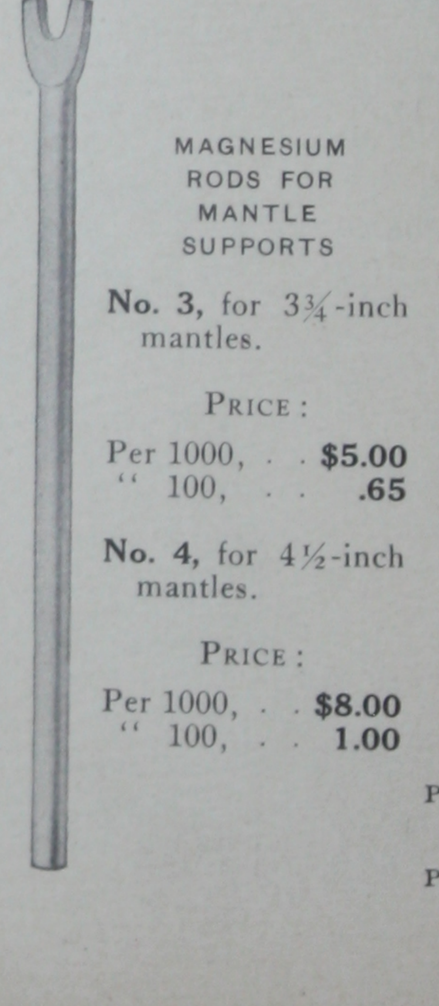
# SUNDRIES



**No. 66.** UPRIGHTS

For use on the No. 66 B or 71 B Burners, with 306 air-hole cylinders.

Price, per 100, . **$12.00**
" " doz., **1.75**



MAGNESIUM RODS FOR MANTLE SUPPORTS

**No. 3,** for 3¾-inch mantles.

PRICE:

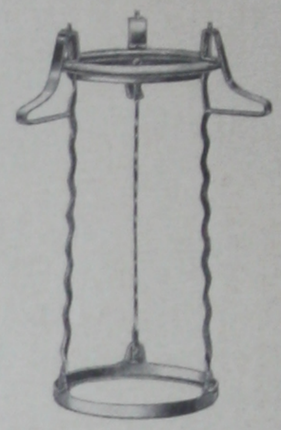
Per 1000, . . **$5.00**
" 100, . . **.65**

**No. 4,** for 4½-inch mantles.

PRICE:

Per 1000, . . **$8.00**
" 100, . . **1.00**

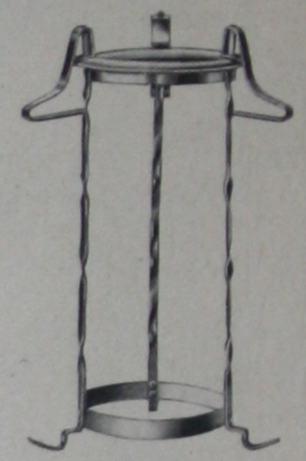
# UPRIGHTS



**No. 61.** UPRIGHTS

For use on No. 61 B Burner.

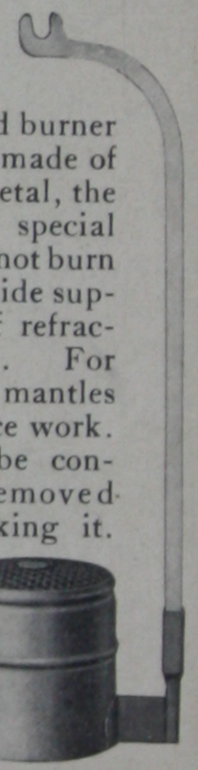
Price, per 100, . **$9.00**
" " dozen, **1.25**



**No. 71.** UPRIGHTS

For use on the No. 71 B and 72 B Burners.

Price, per 100, . **$11.00**
" " doz., **1.75**

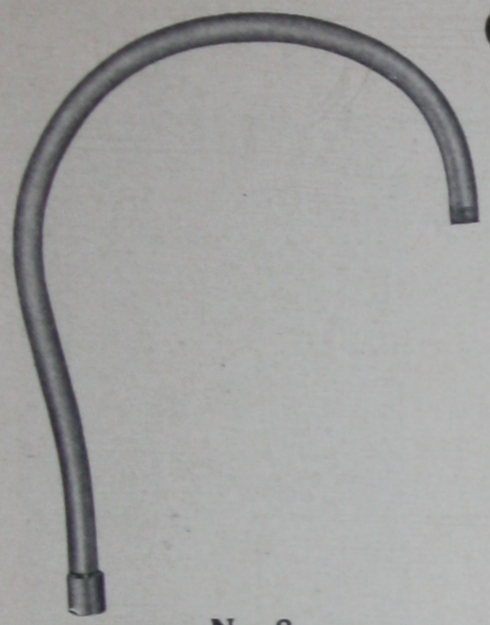


Cap fits standard burner heads, and is made of extra heavy metal, the gauze from a special wire that will not burn out. Square side support, made of refractory material. For use with loop mantles in maintenance work. Mantle can be conveniently removed without breaking it.

**No. 20** Cap.
Per 1000, **$30.00**; Per 100, **$3.10**

**No. 21** Support.
Per 1000, **$25.50**; Per 100, **$2.65**

# GOOSENECKS AND GROUND JOINTS



**No. 8**

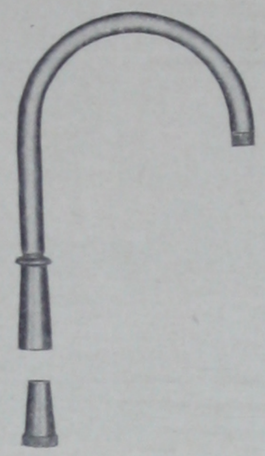
"REFLEX" GOOSENECK

Brushed Brass.

Height, 8¼ inches; spread, 7 inches.

Used where a wider spread than standard is desired.

Price, per dozen, . . . . . **$4.00**



**No. 14**

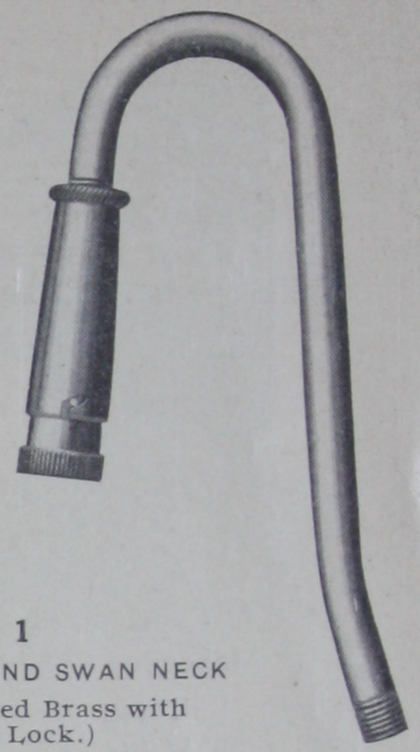
"REFLEX" GOOSENECK AND GROUND JOINT

Brushed Brass.

Height, 6 inches; spread, 4 inches.

Fitted at the bottom with a ground joint for the purpose of easily removing lamp when trimming.

Price, per dozen, . . . . . **$5.00**

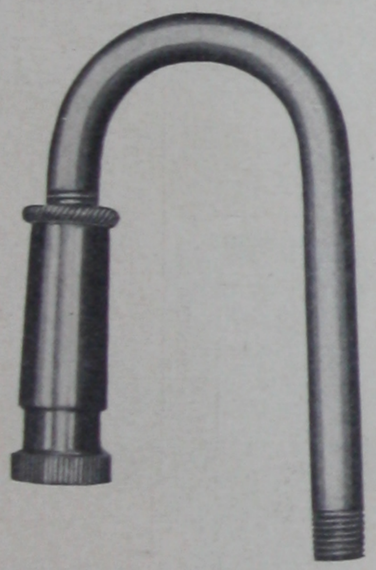


**No. 1**

GROUND JOINT AND SWAN NECK

(4½-inch Polished Brass with Bayonet Lock.)

Price, per gross, . . . . . **$55.00**
" " dozen, . . . . . **6.00**

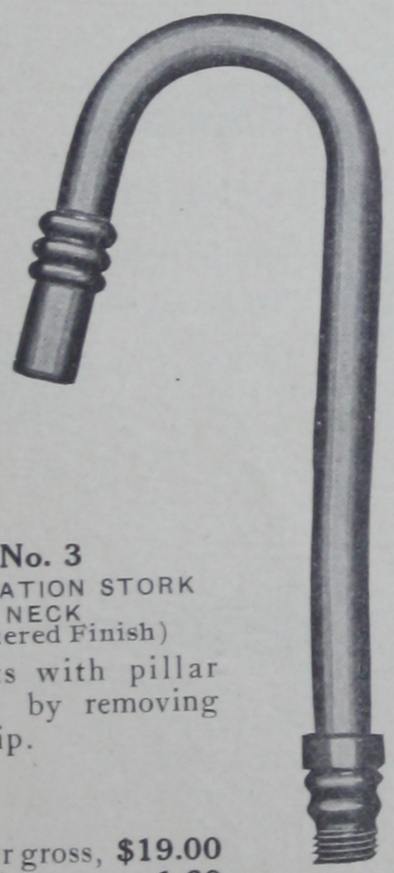


**No. 11**

GROUND JOINT AND SWAN NECK

(3-inch Lacquered Finish, without Bayonet Lock.)

Price, per gross, . . . . . **$35.00**
" " dozen, . . . . . **3.40**



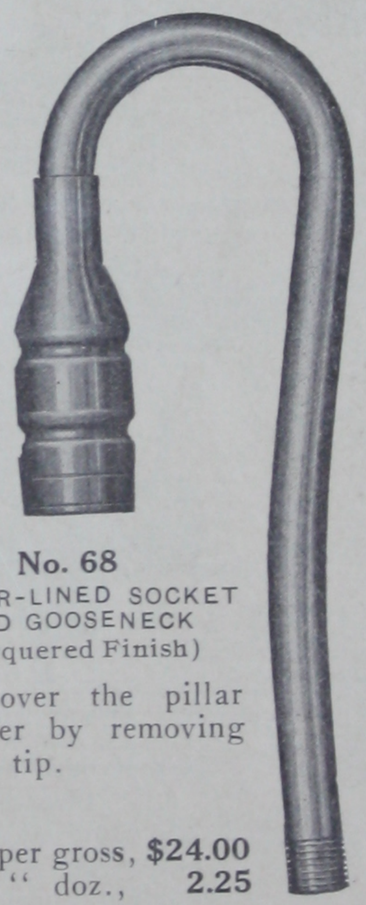
**No. 3**

COMBINATION STORK NECK

(Lacquered Finish)

Connects with pillar burner by removing lava tip.

Price, per gross, **$19.00**
" " doz., **1.60**



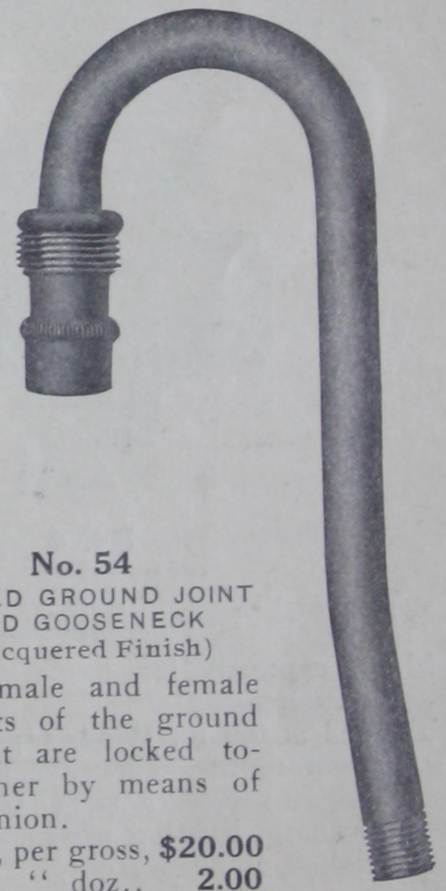
**No. 68**

RUBBER-LINED SOCKET AND GOOSENECK

(Lacquered Finish)

Slips over the pillar burner by removing lava tip.

Price, per gross, **$24.00**
" " doz., **2.25**



**No. 54**

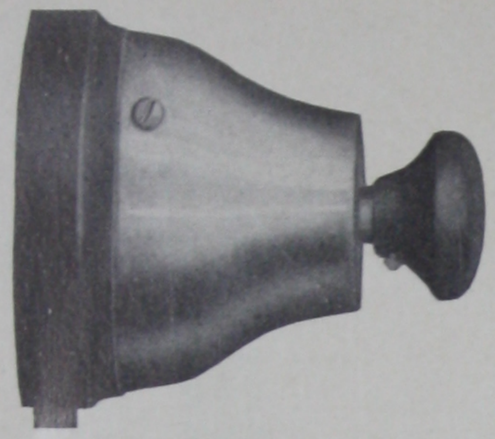
LOCKED GROUND JOINT AND GOOSENECK

(Lacquered Finish)

The male and female parts of the ground joint are locked together by means of a union.

Price, per gross, **$20.00**
" " doz., **2.00**

# PNEUMATIC LIGHTING SYSTEM



**No. 62**

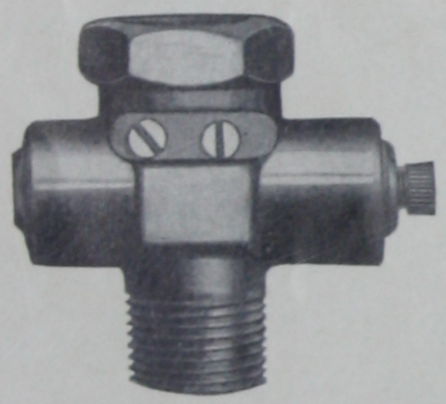
PUMP

(⅔ Actual Size)

Capacity, three lights.
Mahogany and nickel finish.

To light, pull plunger *out*. To extinguish, push plunger *in*.
To install: remove metal cap, connect hollow wire to nipple, secure case to wall by means of two screws and replace cap.

Price, each, . . . . . **$0.60**



**No. 4**

VALVE

(⅔ Actual Size)

Made expressly for use with the Welsbach Reflexoliers.
Tapped at top for ⅜ gas pipe and threaded at bottom to fit Reflexolier body. Owing to changes necessary to adapt Reflexolier to pneumatic lighting system this valve can be installed at factory only.

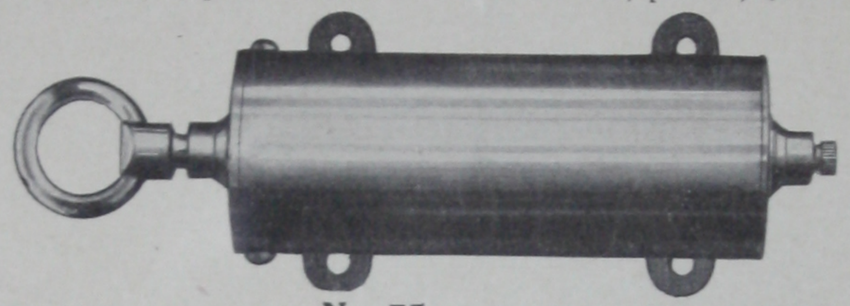
Price, each, . . . . . **$2.20**

**No. 80** HOLLOW WIRE

80-1000 of an inch outside diameter. Furnished in coils of any desired length up to 100 feet.
*Important:* In putting up hollow wire do not drive staples so tightly as to pinch the wire.

PRICES:

Brass finish, per ft., **$0.05** Nickel finish, per ft., **$0.07**

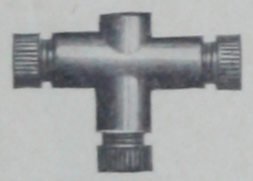


**No. 75** PUMP

(⅓ Actual Size)

Capacity, 25 lights. Nickel finish. To light, pull plunger *out*. To extinguish, push plunger *in*.
To install: connect hollow wire to nipple and secure pump to wall by means of four screws.

Price, each, . . . . . **$3.50**



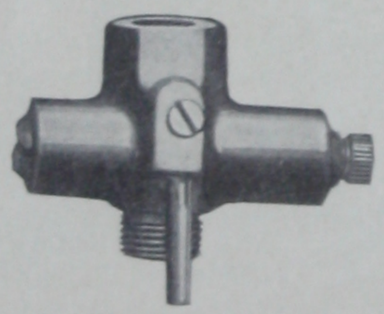
**No. 32**

T-CONNECTION

(⅔ Actual Size)

For running two lines from one feeder.

Price, each, . . . . **$0.20**



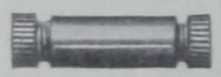
**No. 3** VALVE

(⅔ Actual Size

⅛ x ⅛ male and female threads.

Made expressly for use with either the "Reflex" or upright burners.

Price, each, . . . . **$1.25**



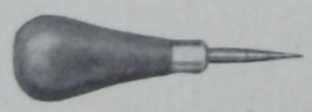
**No. 20**

STRAIGHT COUPLING

(⅔ Actual Size)

For straight-away connections.

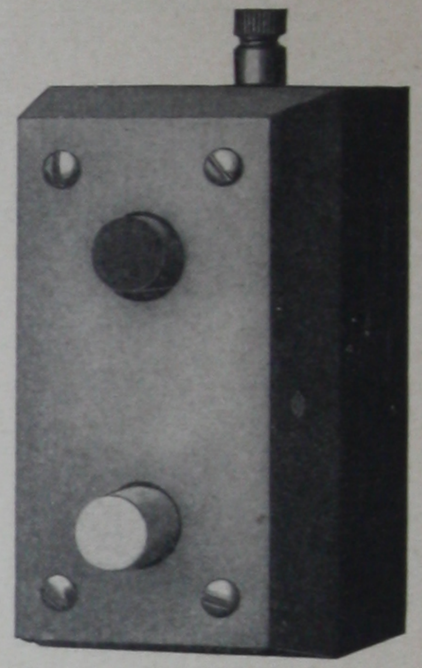
Price, each, . . . . **$0.15**



**No. 1** EXPANDER

For use in spreading end of hollow wire for connecting to nipple.

List price, each, . . **$0.10**



**No. 52**

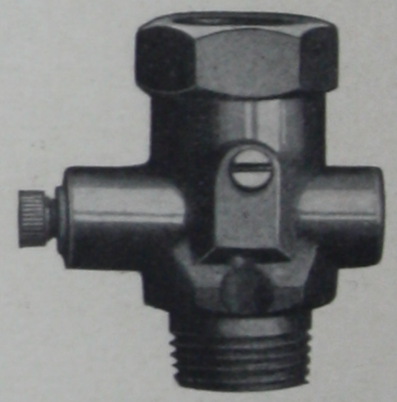
SWITCH

(⅔ Actual Size)

Capacity, two lights.
Mahogany and nickel finish.

Operated like an electric switch.
To light, press white button. To extinguish, press black button.

Price, each, . . . . . **$0.85**



**No. 6**

VALVE

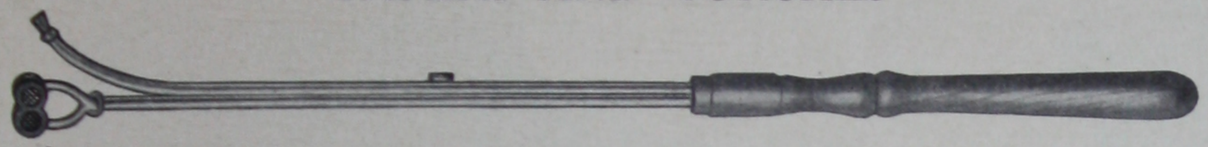
(⅔ Actual Size)

Made expressly for use with Welsbach Portico lamps.
Tapped at top for ⅜ gas pipe and threaded at bottom to fit Portico lamp.

Price, each, . . . . . **$1.65**

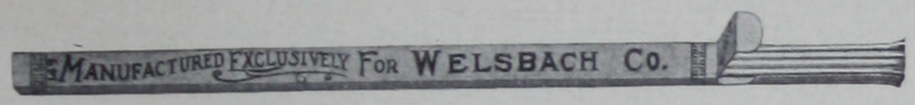
# SUNDRIES

## TAPERS AND TORCHES



TAPER TORCHES CAST KEYS WOOD HANDLES

| No. 282 | No. 281 MEDIUM GRADE | No. 316 BEST GRADE | No. 300 D EXTRA QUALITY |
|---|---|---|---|
| PRICE: | PRICE: | PRICE: | Solid Brass. Polished Wood Handle. Short taper tube. Will not blacken fixture arms. |
| Per gross, **$16.00** | Per gross, **$30.00** | Per gross, **$36.00** | PRICE: |
| " dozen, **1.50** | " dozen, **2.85** | " dozen, **3.35** | Per gross, **$150.00** |
| | | | " dozen, **14.00** |



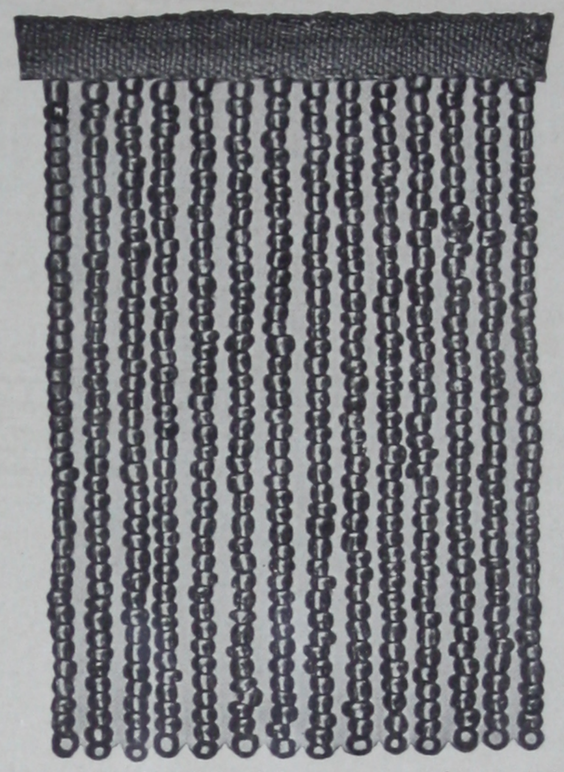

WAX GAS-LIGHTING TAPERS. EACH BOX CONTAINS 30 TAPERS

**No. 149.** Non-dripping, Superior Quality Wax Tapers. Guaranteed. Price, per 100 boxes, . . . . . **$13.00**

**" 824.** First Quality Wax Tapers. Price, per 100 boxes, . . . . . **7.00**

**" 1352.** Second Quality Wax Tapers. Price, per 100 boxes, . . . . **5.50**

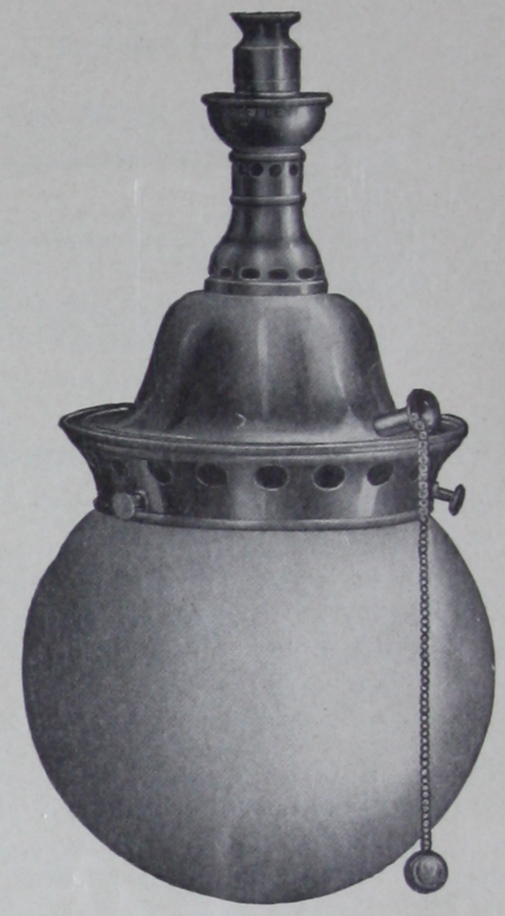
## SEED BEADED FRINGE



Fringe is furnished in green, ruby, crystal or gold.

Price, 3-inch, per metre, . . . . . **$0.90**
Price, 4-inch, per metre, . . . . . **1.00**
Price, 5 inch, per metre, . . . . . **1.10**

NOTE.—A metre measures about 39 inches.



**No. 5**

"REFLEX" DUMMY BURNER

By means of this device electric outlets on combination fixtures can be made to match "Reflex" burners. Easily wired, effectually conceals the electric socket and achieves a balanced and harmonious effect.

PRICES:

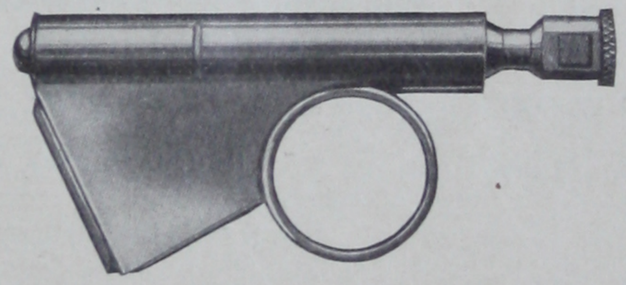
| | Unfinished | Finished in Brushed Brass |
|---|---|---|
| Per 100, . . | **$39.00** | **$43.00** |
| " dozen, . | **5.00** | **5.50** |

## AUTOMATIC LIGHTERS

**No. 8.** STOVE LIGHTER

An application of a recent discovery by Dr. Carl Auer von Welsbach, inventor of the Welsbach mantle. When the cone is placed against the open burner of a gas range, a quick downward pressure on the handle produces a shower of sparks, which ignites the gas. *Not electric.* Length, 8 inches.

Price, per gross, **$216.00**; per dozen, . . . . . **$18.60**



**No. 29.** POCKET LIGHTER

Same principle of operation as No. 8 Stove Lighter but made in pocket form. Especially valuable for automobilists—a key for turning on "Prest-o-lite" tanks is slotted in the handle. Length, 2½ inches.

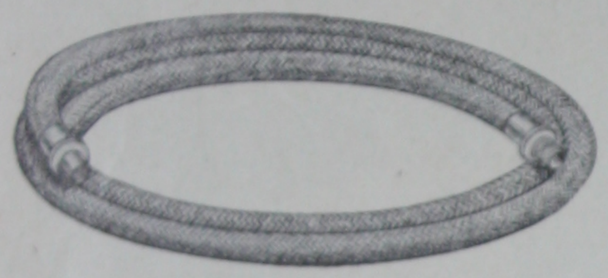
Price, per gross, **$216.00**; per dozen, . . . **$18.60**

These lighters will ignite *any* gas instantly and without danger. The spark *will not* set fire to cloth, wood, etc., unless these are saturated with a highly inflammable substance. The spark material (an alloy of iron and cerium) is very lasting, is in the form of a cube and is renewable when exhausted. Average number of ignitions from each charge of lighting material, 5000.

PRICES OF RENEWALS: Per gross, . . . . . **$57.60** Per dozen, . . . . . **$5.30**

# SUNDRIES

## TUBING



F. Q. M. DIAMOND BRAID TUBING

### F. Q. M. Brand Diamond Braid Drop Light and Stove Tubing

Fully guaranteed for one year from date of sale. Rubber center, extra heavy quality. This tubing may be used for either drop light or stoves. Put up in boxes containing 150 feet in a continuous length.

| PRICES: | Pkg. of 150-ft. length, per foot. | Less than pkg. per foot. |
|---|---|---|
| **No. 1.** F. Q. M. quality, Silkoline covered, rubber center, | **$0.09** | **$0.11** |

Rubber center tubing will be furnished cut in lengths as ordered, with ends attached, at an additional charge of 9 cents net per length.

### Ends for use with Rubber Center Tubing

Furnished with 6 inches of spiral wire coil.

| | Per 100. | Per doz. |
|---|---|---|
| **No. 9.** Patent ends, rubber compound, for stove tubing, | **$7.00** | **$1.00** |
| **No. 10.** Metal end for portable tubing, | **7.00** | **1.00** |

### Drop Light Tubing

Extra heavy double dipped.

| | Original pkg. lots per foot. | Broken pkg. lots per foot. |
|---|---|---|
| **No. 3.** Silkoline covered, | **$0.08** | **$0.10** |

### Stove Tubing

| | 1000-ft. lots. | Less than 1000 ft. |
|---|---|---|
| **No. 9.** ½-inch Cotton covered, double dipped, | **$0.10** | **$0.11** |
| **No. 6.** ⅜-inch Cotton covered, double dipped, | **.07** | **.08** |

SLIDING CANOPY

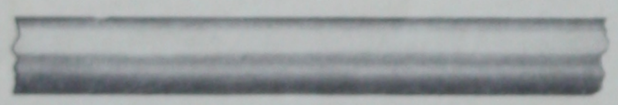
Diameter, 4½ inches; depth, 3¾ inches.

Finely finished in polished or brushed brass. To fit ⅝, ¾ or ⅞-inch casing.

PRICE:

| | |
|---|---|
| Per 100, | **$30.00** |
| " dozen, | **4.00** |

Also supplied in oxidized finishes at an advance of 10 per cent. over net prices.



**No. 22 Gauge**

ROUND CASING

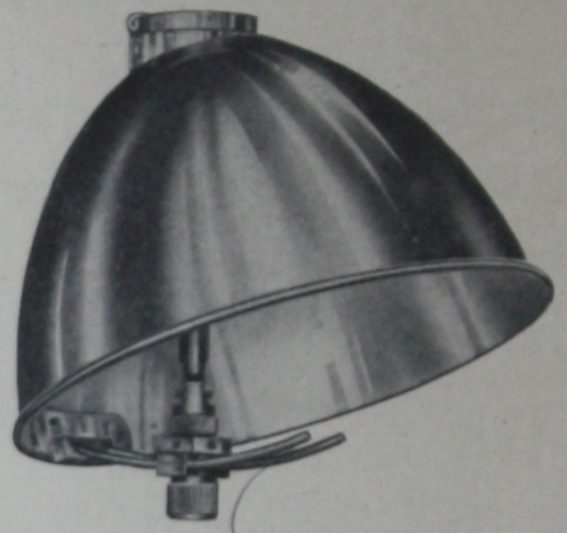
⅝, ¾ or ⅞-inch diameter.

Finely finished in either polished or brushed brass.

PRICE:

| | |
|---|---|
| Uncut, in mill lengths, per pound, | **$0.95** |
| Cut to specified lengths, per foot, | **.27** |

Also supplied in oxidized finishes at an advance of 10 per cent. over net prices.



**No. 9418**

ADJUSTABLE ANGLE REFLECTOR

For use with Welsbach Junior Light in all locations where it is desirable to secure a direct downward or sideways light distribution. Reflector may be rotated or set at any angle between 0 and 90 degrees. Spun from brass. Finish, inside, aluminum; outside, brushed brass. Depth, 4 inches; diameter, 6¾ inches.

Price, each, . . . . . **$1.70**

### Upright Arc Lamp Reflectors

Package contains 1 dozen.

**No. 97**

20-INCH ENAMELED-STEEL FLAT SHADE

Finished above in green and below in white enamel.

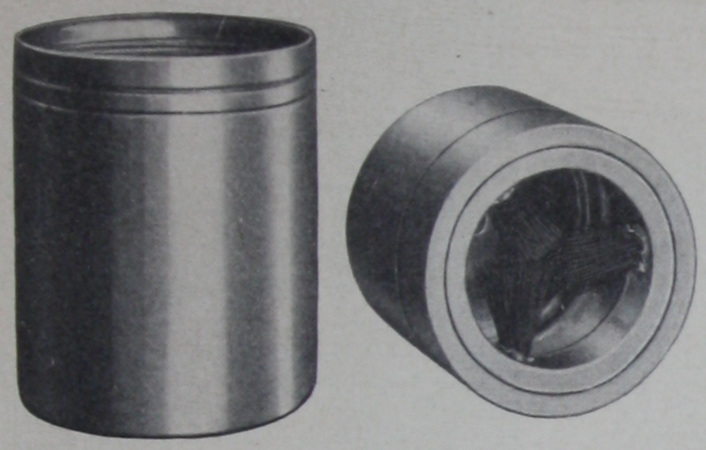
| | Per Doz. | Each. |
|---|---|---|
| Price, | **$16.00** | **$1.75** |

**No. 98**

18-INCH OPAL GLASS REFLECTING SHADE

| | Per Doz. | Each. |
|---|---|---|
| Price, | **$12.00** | **$1.25** |

# MAINTENANCE TOOLS

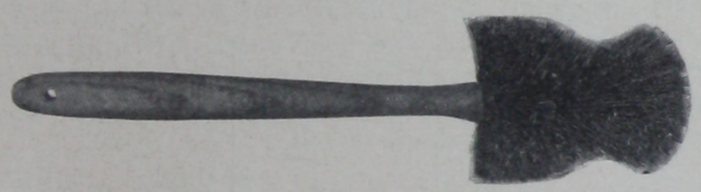


**No. 7**

COMBINATION CLEANING BRUSH AND MANTLE PLACER

For use by maintenance men on inverted lamps. Carbon can be quickly removed from burner tips by means of the brush. Mantles placed in the upper half of the device can be seated on the lamp quicker and with less danger of breakage than when the operation is performed by hand.

Price, per dozen, . . . . . **$19.50**
" each, . . . . . **1.85**

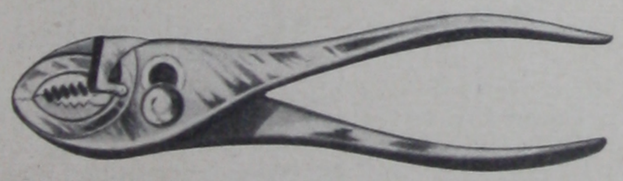


**No. 2**

CYLINDER BRUSH

Made expressly for cleaning No. 317 cylinders. Of great assistance to maintenance men; saves time, minimizes breakage and insures clean, bright glassware.

Price, per dozen, . . . . . **$3.00**
" each, . . . . . **.30**

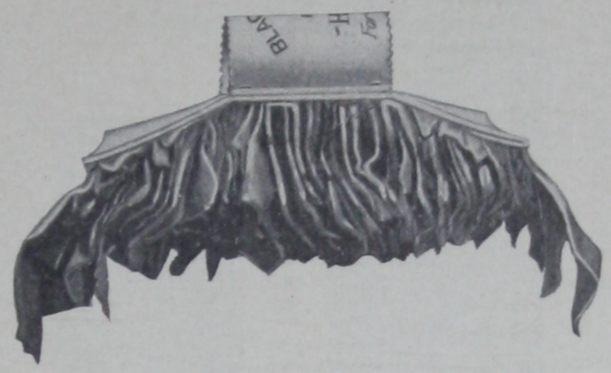


**No. 1**

GAS PLIERS

Grooved expressly for removing bunsen bases from "Reflex" lamps.

Price, per dozen pairs, . . . . . **$17.00**
" " pair, . . . . . **1.50**

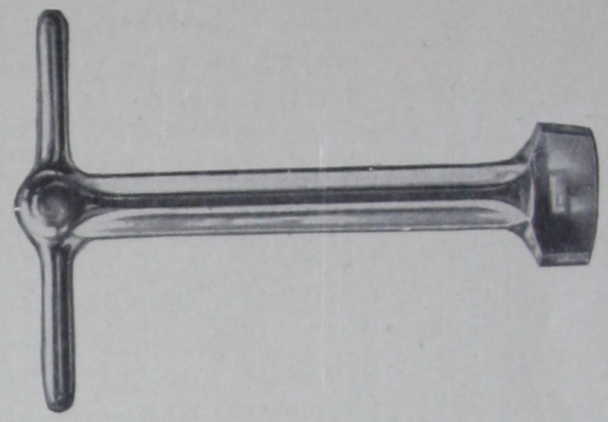


**No. 4**

CHAMOIS GLOBE-CLEANER

Scrap chamois, tightly sewed to a canvas back, with hand strap. For use by maintenance men in cleaning glassware.

Price, per dozen, . . . . . **$3.00**
" each, . . . . . **.30**

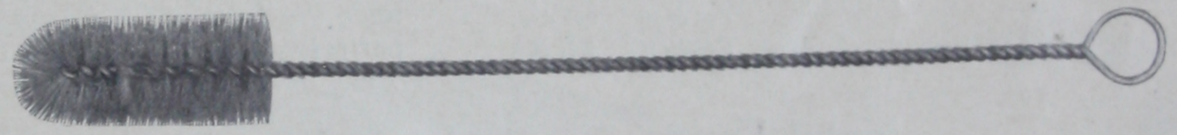


**No. 3**

WRENCH

A special wrench made for removing the crown lock nut on "Reflex" lamps.

Price, per dozen, . . . . . **$5.40**
" each, . . . . . **.50**

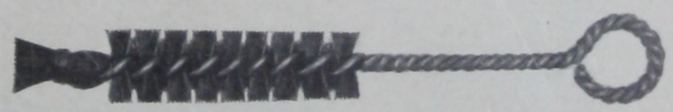


**No. 5**

CLEANING BRUSH

Long handle, enabling fitter to reach into and thoroughly clean the mixing chambers of "Reflex" lamps and inverted arcs.

Price, per dozen, . . . . . **$1.40**



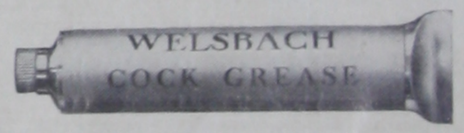
**No. 6**

CLEANING BRUSH

A short-handled brush made of extra hard bristles and with end tuft for cleaning the burner tips of "Reflex" lamps and inverted arcs.

Price, per dozen, . . . . . **$2.25**

## Gas Cock Grease




Size, 3½ x ⅝ inches

Price, per 100 tubes, . . . . . **$5.50**
" " dozen tubes, . . . . . **.75**

No. 860
ETCHED BAND

## Etched Band

For standard 2-inch fitters

Made of finest quality selected India mica, etched 1½ inches at base, packed each in a carton, and 12 dozen in a box.

| No. | | | Per gross. | Per dozen. |
|---|---|---|---|---|
| 61 | 6-inch, | 1-piece, | $48.00 | $4.40 |
| 71 | 7 " | " | 58.00 | 5.50 |
| 81 | 8 " | " | 68.00 | 6.25 |
| 62 | 6 " | 2-piece, | 40.00 | 3.70 |
| 72 | 7 " | " | 42.00 | 4.00 |
| 82 | 8 " | " | 45.00 | 4.30 |
| 63 | 6 " | 3-piece, | 29.00 | 2.70 |
| 73 | 7 " | " | 33.50 | 3.10 |
| 83 | 8 " | " | 39.50 | 3.60 |
| 66 | 6 " | 6-piece, | 25.00 | 2.25 |
| 76 | 7 " | " | 27.00 | 2.50 |
| 86 | 8 " | " | 29.00 | 2.75 |

## No. 860

For No. 60 burners, rests on the knurl outside of the burner gallery.

Packed with clips, 3 dozen in a box.

| No. | | | Per gross. | Per doz. |
|---|---|---|---|---|
| 860 | 8-inch, | 6-piece, | $60.00 | $5.50 |

No. 181
METAL BAND

## Metal Band

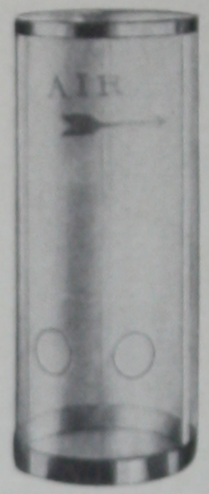
Made of good quality mica, 1½-inch metal band at base, packed each in a carton, and 12 dozen in a box.

| No. | | | Per gross. | Per dozen. |
|---|---|---|---|---|
| 161 | 6-inch, | 1-piece, | $45.00 | $4.30 |
| 171 | 7 " | " | 50.00 | 4.40 |
| 181 | 8 " | " | 60.00 | 5.30 |
| 162 | 6 " | 2-piece, | 34.50 | 3.25 |
| 172 | 7 " | " | 36.50 | 3.45 |
| 182 | 8 " | " | 40.50 | 3.75 |
| 163 | 6 " | 3-piece, | 22.00 | 2.00 |
| 173 | 7 " | " | 26.50 | 2.50 |
| 183 | 8 " | " | 32.50 | 3.00 |
| 166 | 6 " | 6-piece, | 16.00 | 1.60 |
| 176 | 7 " | " | 17.50 | 1.75 |
| 186 | 8 " | " | 20.00 | 1.85 |
| 15 | 5 " | 1-piece, | 36.50 | 3.20 |
| 35 | 5 " | 3-piece, | 22.00 | 2.00 |

# MICA CHIMNEYS

No. 981
AIR-O

No. 013
AIR-O



No. 014
AIR-O

No. 986
AIR-O

No. 311
AIR-O

## Air-O Mica Chimneys

For use on all standard burners taking air-hole ware. Especially useful with dome shades and in fancy globes. Besides the advantages common to all Mica Chimneys, the brand known as **Air-O** have the further advantage of absolute accuracy in size and location of air-holes, which insures a perfectly even distribution of air to the mantle, and consequently the best possible illumination. They never break, and cast no shadow. They produce perfect combustion.

Packed each in a carton, 3 dozen in a box.

| | Per gross. | Per dozen. |
|---|---|---|
| No. **981** Air-O, 7 inches high, etched band, for use especially with dome shades. Satin finish aluminum base, | $36.00 | $3.50 |
| No. **986** Air-O, 7 inches high. Fits outside gallery. Used especially with dome shades, | 36.00 | 3.50 |
| No. **013** Air-O, 5 inches high, for use especially with Holophane and similar fancy globes. Satin finish aluminum base, | 30.00 | 3.00 |
| No. **014** Air-O, 5 inches high. Fits outside gallery. (Same uses as No. 013), | 30.00 | 3.00 |
| No. **311** Air-O. For use with "Chic" shade. Provided with shade clips to support same, | 30.00 | 3.00 |

No. 330
"REFLEX"
MICA CYLINDER

No. 0318
"REFLEX"
MICA CYLINDER

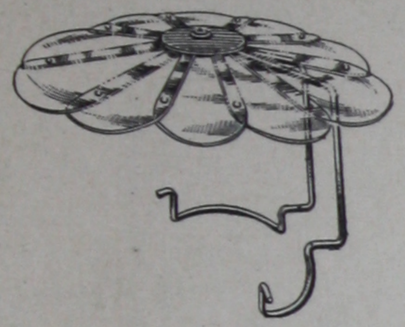
No. 188
MICA CYLINDER
FOR INVERTED
LIGHTS

## "Reflex" Mica Cylinders

Inner cylinders of mica for the "Reflex" lights. For use in factories or wherever glass is undesirable. No. 330 and No. 0318 are closed at the bottom with mica discs. No. 330 can be slipped into shade ring without removing glassware, by pushing the cylinder upward until wire fingers spring into position. No. 188 designed for use especially with natural gas. Has no disc at bottom. Packed each in a carton, 3 dozen in box.

| | Per gro. | Per doz. |
|---|---|---|
| No. **330** "Reflex" Mica Cylinder, | $37.00 | $3.60 |
| No. **0318** "Reflex" Mica Cylinder, | 37.00 | 3.60 |
| No. **188** Mica Cylinder for Inverted Lights, | 22.00 | 2.20 |

# MICA CANOPIES

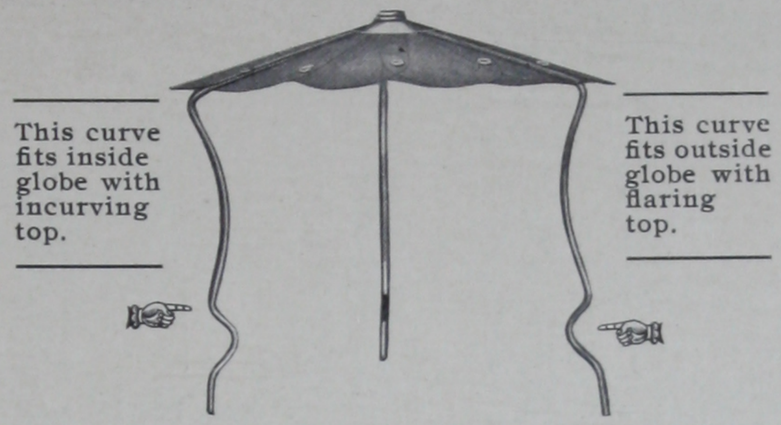


**No. 4 D**

A 4-inch canopy that fits perfectly all designs of Q, and Sch Globes, regardless of variations in size of top opening, all kinds of air-hole chimneys, whether mica or glass, and the ordinary straight chimney.

Packed each in a carton, 3 dozen in a box.

Price, per gross, . . . . . **$14.00**
" " dozen, . . . . . **1.40**

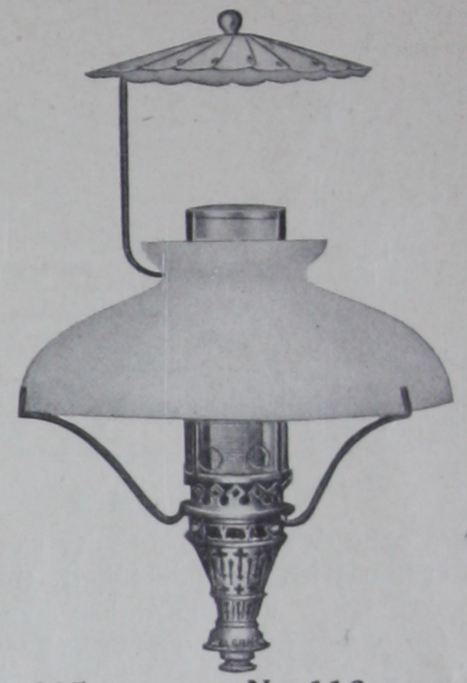



**No. 4 K**

CANOPY

Fits practically every form of fancy globe, Q, Sch, and the Holophanes. Folding tripod wire support. Packed flat, each in a carton, 3 dozen in a box. Four sizes, 4, 5, 6 and 7 inches in diameter.

| | | | | | |
|---|---|---|---|---|---|
| **No. 4 K,** 4-inch, . . . . . | per gross, | **$15.00;** | per dozen, | **$1.50** |
| **No. 5 K,** 5 " . . . . . | " | **19.00;** | " | **1.90** |
| **No. 6 K,** 6 " . . . . . | " | **23.00;** | " | **2.20** |
| **No. 7 K,** 7 " . . . . . | " | **25.00;** | " | **2.40** |



**No. 115** 5 INCHES **No. 116** 6 INCHES

A mica canopy with a spring wire support that attaches around the neck of shade. Packed each in a carton, 3 dozen in a box.

**No. 115**

Price, per gross, **$22.00**; dozen, **$2.20**

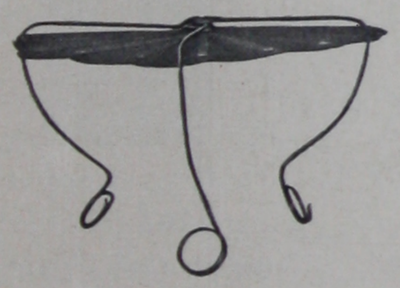
**No. 116**

Price, per gross, **$24.00**; dozen, **$2.35**

## No. 5 D Mica Canopy

Same as 4 D Canopy, but 5 inches in diameter.

Price, per gross, . . . . . **$18.00**
" " dozen, . . . . . **1.90**

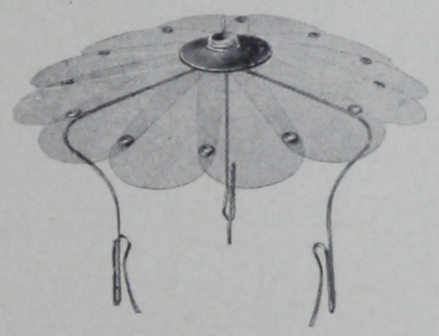


**No. 3**

TRIPOD CANOPY

Packed flat, each in a carton, one gross in a box.

Price, per gross, . . . . . **$9.50**
" " dozen, . . . . . **1.00**

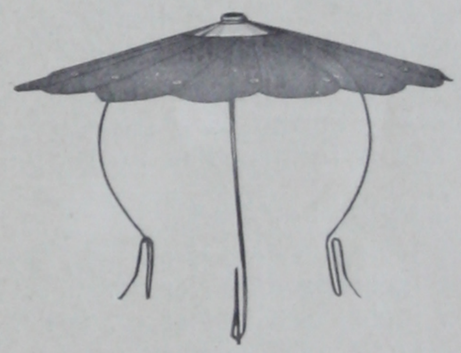


## L Mica Canopy

For use on air-hole ware. Comes in 4, 5, 6 and 7 inches diameter.

Packed 3 dozen to box.

| | | | | |
|---|---|---|---|---|
| **No. 4,** 4-inch, | **L,** | per gross, | . | **$14.00** |
| " **4,** 4 " | **L,** | " dozen, | . | **1.40** |
| **No. 5,** 5 " | **L,** | " gross, | . | **18.00** |
| " **5,** 5 " | **L,** | " dozen, | . | **1.80** |
| **No. 6,** 6 " | **L,** | " gross, | . | **22.00** |
| " **6,** 6 " | **L,** | " dozen, | . | **2.20** |
| **No. 7,** 7 " | **L,** | " gross, | . | **24.00** |
| " **7,** 7 " | **L,** | " dozen, | . | **2.35** |



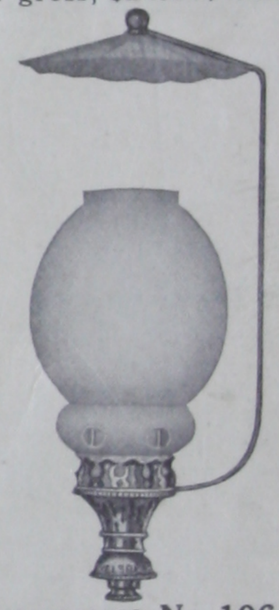
## No. 5 X

CANOPY

Five inches in diameter, with tripod wire support, for use on short chimney, inside of small globes.

Packed each in a carton, 12 dozen in a box.

Price, per gross, . . . . . **$17.00**
" " dozen, . . . . . **1.70**



**No. 105** 5 INCHES **No. 106** 6 INCHES

A mica canopy with spring wire support that attaches around the base of the gallery fence. Packed each in a carton, 3 dozen in a box.

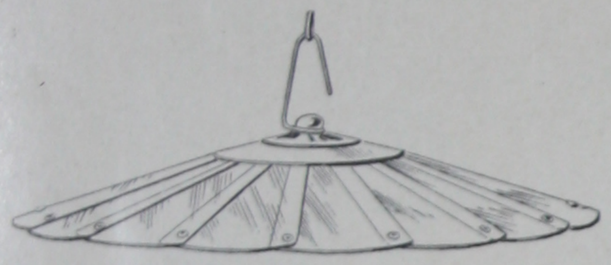
**No. 105**

Price, per gross, **$22.00**; dozen, **$2.20**

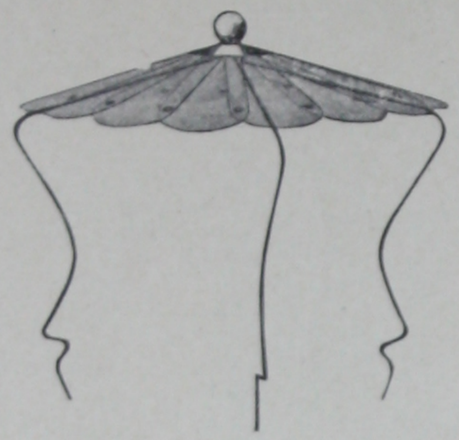
**No. 106**

Price, per gross, **$24.00**; dozen, **$2.35**

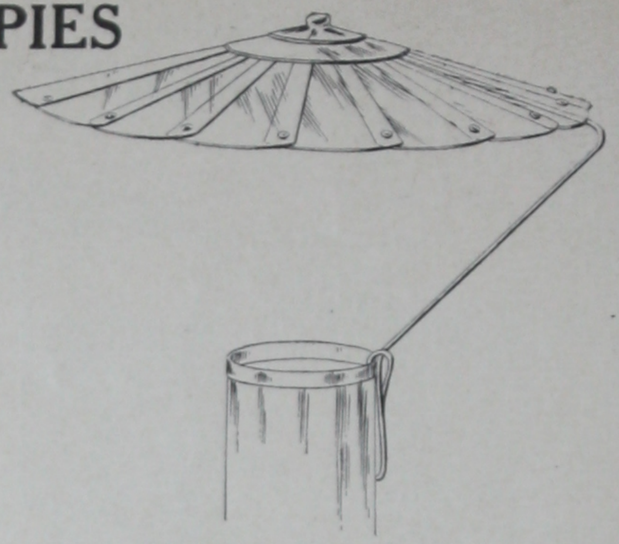
# MICA CANOPIES



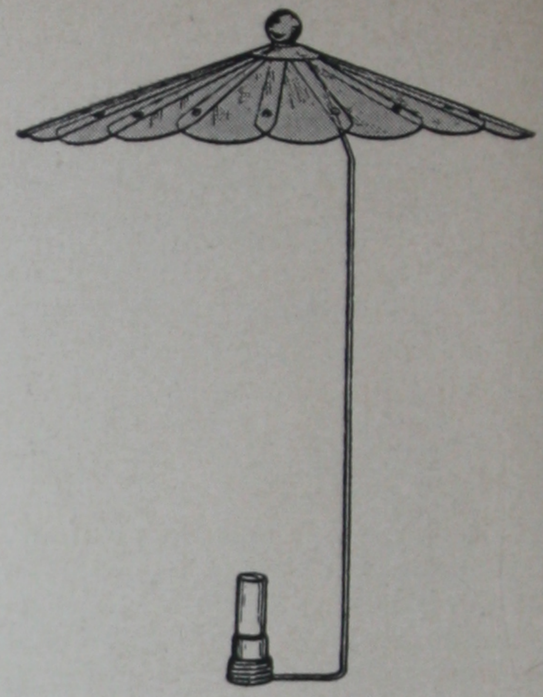
**Nos. 6, 7 and 8**



**Nos. 26, 27 and 28**



**Nos. 16, 17 and 18**



**Nos. 46, 47 and 48**

These canopies have Bessemer steel wire supports, finished with nickeled knobs. They are packed each complete in a carton with wire detached, three dozen in a box. The tripod wires are folded flat.

VARIOUS FORMS AND THEIR USES

Nos. 6, 7 and 8—Smoke shades to hang from ceiling.
Nos. 16, 17 and 18—To fit on ordinary chimneys.
Nos. 26, 27 and 28—To fit on any large globe.
Nos. 36, 37 and 38—To fit on large globes with flaring top.
Nos. 46, 47 and 48—To fit on open-flame gas jet.

PRICES

| | | | |
|---|---|---|---|
| No. 6—Mica Smoke Shade, | $23.00 | gross. | $2.20 dozen |
| No. 7—Mica Smoke Shade, | 24.00 | " | 2.35 " |
| No. 8—Mica Smoke Shade, | 28.00 | " | 2.70 " |
| Nos. 16, 26, 36, 46—Mica Canopies. | 25 00 | " | 2.40 " |
| Nos. 17, 27, 37, 47—Mica Canopies, | 26.00 | " | 2.50 " |
| Nos. 18, 28, 38, 48—Mica Canopies, | 30.00 | " | 2.75 " |

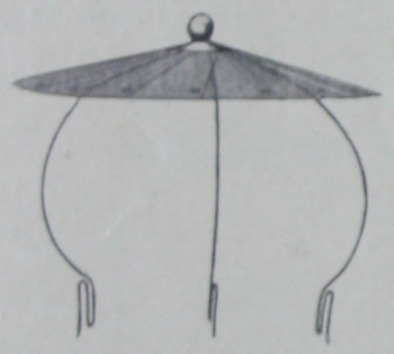
## Mica Canopies for "Reflex" Lights

Inverted Canopy—Goose-neck or supply pipe passes through hole in center. For "Reflex" lights. Especially adapted for protection of dining-room and library fixtures and chandeliers.

| | Per Gross | Per Doz. |
|---|---|---|
| **No. 5** Inverted—5 inches in diameter, | $21.00 | $2.10 |
| **No. 6** Inverted—6 inches in diameter, | 23.00 | 2.20 |

J Canopy—For "Jupiter" and other inverted lights with large goose-neck. Spring-wire support grips goose-neck of the burner and is tightened in proper place by sliding ring down the wire.

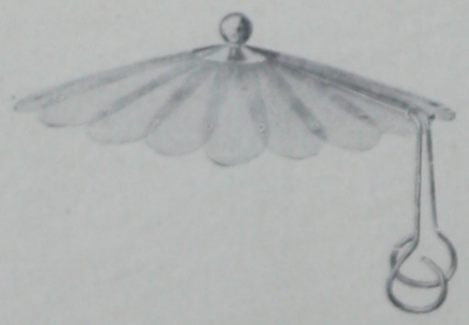
| | Per Gross | Per Doz. |
|---|---|---|
| **No. 4 J**—4 inches in diameter, | $18.00 | $1.90 |
| **No. 5 J**—5 inches in diameter, | 22.00 | 2.20 |
| **No. 6 J**—6 inches in diameter, | 25.00 | 2.40 |
| **No. 7 J**—7 inches in diameter, | 26.00 | 2.50 |
| **No. 8 J**—8 inches in diameter, | 30.00 | 2.75 |



**Nos. 36, 37 and 38**

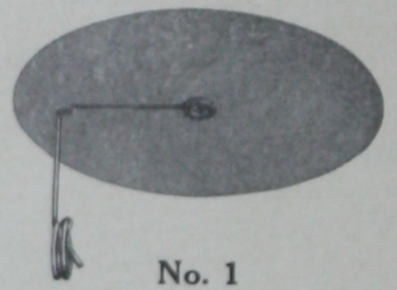
**No. 30 Crown Canopy**

**Nos. 5 and 6 Inverted Canopy**



**Nos. 4 to 8 J Canopy**

Mica Canopies with satin finish aluminum frames of attractive designs. Keep insects from destroying the mantles.



**No. 1**

JUNIOR MICA CANOPY

A flat, one-piece canopy of the finest mica. For the Welsbach "Junior" Light. For use with Intensifier only.

Packed 12 dozen in a box.

PRICES:

Per gross, . . . . . $7.20
Per dozen, . . . . . .75

## Crown Canopies

**No. 22**—Crown Canopy, for regular chimney, extra heavy aluminum frame.
Per gross, . . . . . $23.00
Per dozen, . . . . . 2.20

**No. 30**—Crown Canopy, for regular chimney.
Per gross, . . . . . $23.00
Per dozen, . . . . . 2.20

**No. 40**—Crown Canopy, for Cylinders or our No. 860 Mica Chimney.
Per gross, . . . . . $26.00
Per dozen, . . . . . 2.50

**No. 59**

JUNIOR INTENSIFIER

For use with Welsbach Junior Light. Increases the candle-power over 25 per cent. Made of the best India mica.

Packed each in a carton, 12 dozen to case.

Per gross, . . . . $16.00
Per dozen, . . . . 1.60

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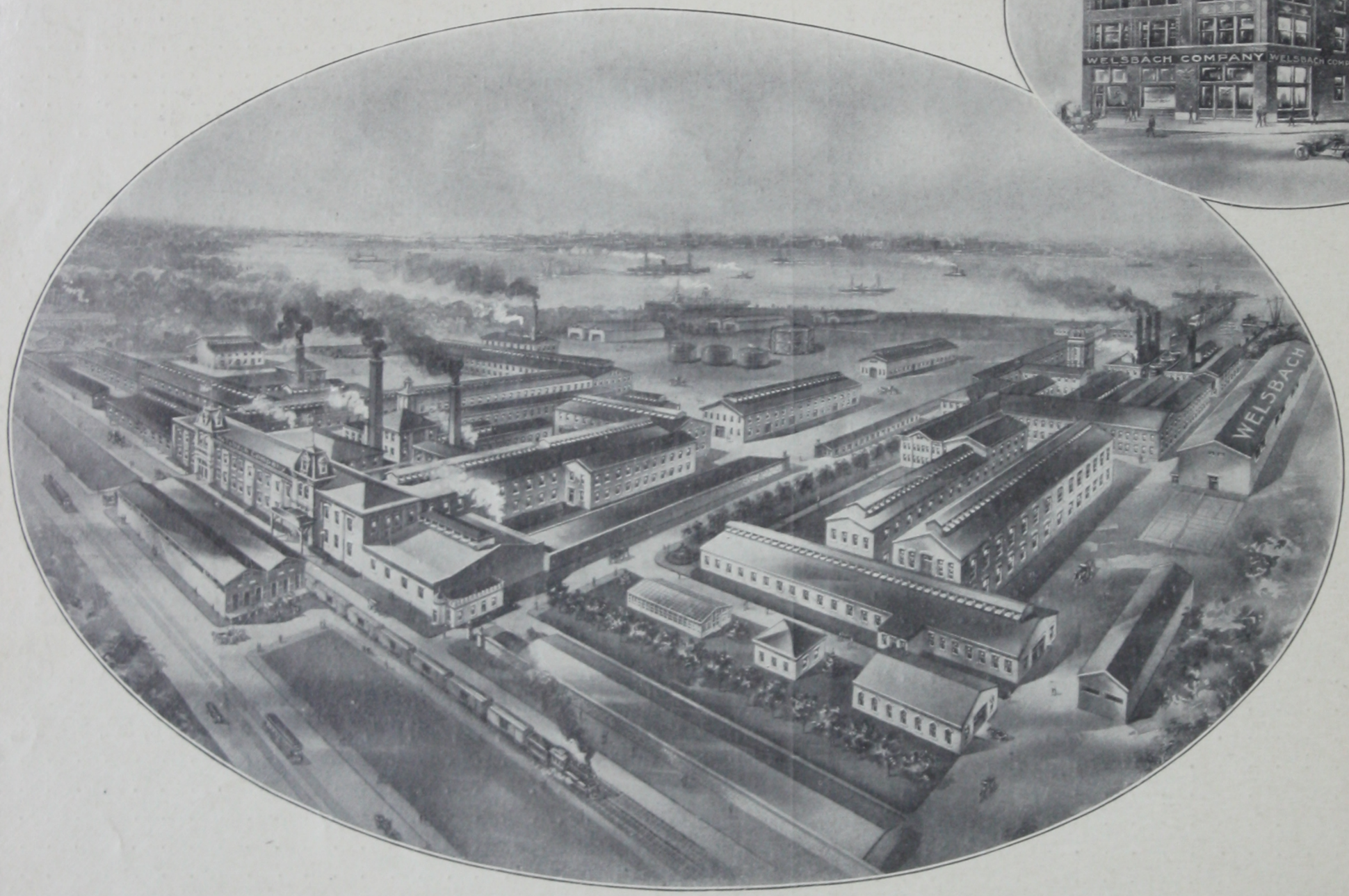


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